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62,67
Letherman's Seeds
"Good as the Pictures"



**LEATHERMAN'S 1953 GUIDE
TO BETTER GARDENS AND LAWNS**



New for 1953

← **PETUNIA COMANCHE**

All-America Bronze Medal for 1953

The writer saw several plantings of Comanche last summer and was vividly impressed by the color, the wealth of bloom and the vigorous, yet compact growth of the plants. You will find it to be the most, or one of the most admired plantings in your garden.

1006 Pkt. 50c, Large Pkt. \$2.00.

MARIGOLD CUPID

If you like a bright lemon yellow as a border or edging you will appreciate this variety, with its chrysanthemum type flowers on absolutely uniform, compact 8 in. plants.

867 Cupid Pkt. 20c, $\frac{1}{16}$ oz. 60c, $\frac{1}{8}$ oz. \$1.10.



Plant These Good New Varieties

Every year Letherman's select the best new seeds for your enjoyment. By planting the new varieties as they are developed by the hybridizers, you will enjoy your garden even more.

ALYSSUM Royal Carpet

All-America Silver Medal for 1953

First good dwarf violet Alyssum that even in the hot days of 1952 held its rich color without fading. In growth similar to the popular white Carpet-of-Snow.

An excellent companion plant for yellows and lemons such as Cupid and other Marigolds.

Pkt. 25c, $\frac{1}{16}$ oz. 65c, $\frac{1}{8}$ oz. \$1.10.



Pages 28-45 of this catalog offer a very complete list of carefully selected strains of flower seeds. See page 27 for planting suggestions.



Our Trade Organizations

have accomplished much for the benefit of all who plant gardens. They have helped to lead the way for better seeds and better ethics in the whole seed trade. We are proud to be members of—

The American Seed Trade Association
The Ohio Seed Trade Association
The Ohio Pesticide Institute
The Ohio Seed Improvement Association

To Our Friends

We hope you will enjoy your garden this spring, summer, and fall of 1953, even more than ever before.

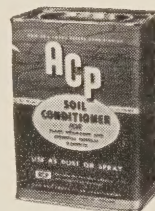
If we can fit into the picture, and I believe we can, by providing the Seeds and many other materials needed for gardens and lawns, we will deeply appreciate serving you.

We hand you this Garden Catalog with great pleasure.

LEATHERMAN'S SEED STORE
Your Garden Headquarters

The New Soil Conditioners

The subject of Soil Conditioners is one of the really important subjects of interest to gardeners today. We have read many pages of reports, attended meetings conducted by Chemical and Agricultural experts, talked to many actual users, and have used some of the products ourselves. We are convinced they have great practical value at reasonable cost to the home gardener and lawn builder, if correctly used. Our advise is, try one of the products handled by dealers in whom you have confidence, on your garden in 1953.



What Soil Conditioners Accomplish

They are especially valuable to the heavier soils normally most troublesome to the gardener and lawn maker, because of baking hard and crusting so that they cannot receive and use air, moisture, and plant food. Soil Conditioners (after thorough preparation) so condition the soil, that it remains porous and open and able to grow much better plants. It has an effect similar to mixing in large quantities of Peat Moss and other humus materials.

There are numerous chemical resins being experimented with and those made by reliable manufacturers have proven satisfactory. On the other hand extravagant claims which have not been substantiated have been made by some others.

Please ask for full direction and application rates of these products.

Krilium—Monsanto

Dry Powder Forms for mixing with soil—indoors and out. **1 lb. Sifter Top Can.** An excellent package for indoor all around use. **\$1.39.**

5 lb. Package. For use anytime that soil is workable. **\$4.95.**

10 lb. Package Loamaker Formula. This is full strength, more economical for larger area use. **\$25.00.**

DuPonts Soil Conditioner

A flake form with wetting agent to mix with water and apply to surface with sprinkling can or sprayer. **4 oz. can \$1.25, 8 oz. can \$1.95, 2 lb. can \$6.75.**

ACP Soil Conditioner

May be used in dry form or mixed with water for liquid application. Contains the two most effective soil stabilizing elements with essential mineral elements, hormones and fertilizer added. **½ lb. can \$1.00, 2½ lb. can \$3.35, 10 lb. can \$10.00.**

MAKE REMITTANCES by Money Order, Bank Draft, or Personal Check.

SEEDS DELIVERED FREE. We Prepay Transportation on all Vegetable and Flower Seeds at prices quoted in this catalog.

PURCHASER PAYS TRANSPORTATION on Potatoes, Onion Sets, Tools, Insecticides, Fertilizer, and Farm Seeds.

LIMITED WARRANTY. Letherman's, Inc., warrants to the extent of the purchase price that seeds or bulbs are as described on the container, within recognized tolerances. Seller gives no other or further warranty, express or implied.

PRICES SUBJECT TO CHANGE. All prices in the catalog are subject to change should conditions make it necessary.

As to our responsibility we refer you to the First National Bank of Canton, Canton, Ohio.



LEATHERMAN'S LAWN MIXTURES

ARE BLENDED TO MAKE FINE, THICK, PERMANENT LAWNS

There is no magic about it, just plain common sense and knowledge of the characteristics of various grasses. The ingredients are refined to high purity and they are put together in the right proportions for this territory where you live. Also, we know that good seed is only one part of a good lawn. Prepare the soil and feed well. It's much easier and better to build a good foundation first. Consult us about preparation and the seed requirements.

NOTES ON LAWN MAKING—A leaflet recently prepared to answer your questions about lawn making and maintenance. We will gladly give you a copy.

McKinley Park Mixture

Our formula now includes Bent Grass

Our most popular blend, a splendid mixture for permanent results. It is made up of heavy re-cleaned Kentucky Blue and Fescue, with some Creeping Bent and White Dutch Clover. Red Top serves as the quick growing nurse grass. McKinley will establish a beautiful fine leaved lawn, the equal of many mixtures sold at much higher prices.

Lb. \$1.00, 3 lbs. \$2.90, 5 lbs. \$4.75, 10 lbs. \$9.25, 25 lbs. or more at 90c lb.

Evergreen Mixture

A first class blend of re-cleaned Kentucky Blue, Fescue, Red Top and Rye Grass and some White Clover. Capable of producing a good permanent lawn, durable, yet fine leaved.

Lb. 85c, 3 lbs. \$2.45, 5 lbs. \$4.00, 10 lbs. \$7.75, 25 lbs. or more at 75c lb.

Quikgreen Mixture

The mixture for quick results where fine texture is not of first importance. Better than most low priced mixtures as it contains 25 to 30% Kentucky Bluegrass for permanent sod.

Lb. 65c, 5 lbs. \$3.00, 10 lbs. \$5.75, 25 lbs. or more at 55c lb.

Shady Dell Mixture

Very carefully blended, as is McKinley Park but containing a much larger proportion of varieties that will thrive in the shade, Creeping Red Fescue and Poa Trivialis. It must be considered also that soil which supports heavy tree growth as well as lawn, needs extra supplies of plant food and moisture.

Lb. \$1.00, 3 lbs. \$2.90, 5 lbs. \$4.75, 10 lbs. \$9.25, 25 lbs. or more at 90c lb.

Velvet Turf Bent Mixture

Highly refined, containing a good proportion of Bent, also Blue Grass and Fescue with no temporary grasses or White Clover. Equal to many mixtures selling at a much higher price.

Lb. \$1.30, 5 lbs. \$6.40, 10 lbs. \$12.50.

Merion Bluegrass Mixture

with Fescue and Bent

These three grasses make an excellent blend for a thick rich and tough turf.

Lb. \$2.95, 5 lbs. at \$2.90 lb., 10 lb. at \$2.85 lb.

White Dutch Clover

The best clover for lawn use, rooting quickly, spreading, and low growing. We have a fine pure grade.

1/4 lb. 35c, lb. \$1.15, 5 lbs. or more at \$1.10.

GRASSES FOR LAWNS, PLAY AND ATHLETIC FIELDS

SEPARATE GRASSES FOR SPECIAL PURPOSES

Prices subject to change. Please ask for quantity Prices.

Merion B27 Blue Grass

After years of selection and trial Merion has definitely established its superiority as compared to Kentucky Blue, in these characteristics. It has lower habit of growth standing closer cutting, remains greener in midsummer, spreads by undergrown root stalks with more vigor, making a close sod quicker, so is better able to crowd or hold out crabgrass and weeds.

Merion may be sown alone or in mixtures with Fescues or other grasses as you would Kentucky Blue. When Merion Bluegrass is sown alone you should sow it at least 2 lbs. per 1000 sq. ft. 2½ to 3 lbs. will give you a quicker turf and, of course, less of a weed problem. Mix the seed with dry sand for even distribution. Liberal feeding will lessen the time required for a good turf.

Seed supply is again very limited.

¼ lb. \$17.5, lb. \$6.00.

Kentucky Blue. Used as the basis for most Lawn Mixtures in this section. It is a fine leaved permanent grass, deep rich green in color. It spreads by creeping roots and makes a very close turf when conditions are at all favorable. Blue grass is slow to establish itself, which is the reason why we recommend using it in mixture with other quicker growing grasses.

Recleaned grade, lb. 95c, 5 lbs. at 90c per lb.

Red Top. Very quick growing and fairly permanent.

Fancy grade, lb. 80c, 5 lbs. at 75c lb.

Chewings Fescue. Excellent deep green fine leaved grass for shade or sun. Excellent blended with Kentucky Blue Grass.

Lb. \$1.15, 5 lbs. at \$1.10.

Creeping Red Fescue. Fine leaved variety, the most desirable for shady conditions.

Lb. \$1.00, 5 lbs. at 95c lb.

Illahoe Fescue. One of the new strains of Fescue. Fine deep green leaves, blending well with other grasses. Excellent for shady spots.

Lb. \$1.25.

Alta Fescue. Deep rooted, long lived grass, valuable for athletic field and play ground mixtures as it withstands hard usage. For lawns not as desirable as Chewings or Red Fescue.

Lb. 70c, 5 lbs. at 65c lb.

Poa Trivialis. Excellent shady place grass, especially for moist spots. Blends very well with Kentucky Blue Grass. Lb. \$1.00, 5 lbs. at 95c lb.

Domestic Rye. Excellent, quick growing nurse grass, making an immediate covering. Especially desirable for protection of slower growing grasses, for instance on slopes or in warm weather.

Lb. 30c, 10 lbs. at 25c lb.

Perennial Rye Grass. Longest lived of the Rye grasses. Used in quick growing coarser mixtures.

Lb. 35c, 10 lbs. at 30c lb.

Timothy. Used where quick growth is wanted, though not permanent. Lb. 35c, 10 lbs. at 33c lb.

Bent Grass, Seaside Strain. The creeping strain that spreads by underground stolons. Lb. \$1.50.

Bent Grass—Astoria Strain. Very desirable for the finest lawns or putting greens. This strain grows erectly and forms compact dense sod. Lb. \$1.40.

Bent Grass, Velvet Strain. Finest of the Bents, very fine leaved, disease resistant and capable of permanent growth in shade. Spreads by both underground root stalks and runners above ground. Ask for prices.

Colonial and Highland Bents. Similar to Astoria.

TO KEEP LAWNS FREE OF WEEDS

Weedone—Lawn Weed Killer

Containing the well-known 2,4D plus the newer material 2,4,5T. Weedone is the most effective of the selective weed killers for lawns. It is non-volatile, so safer to use near plants that might be killed by drifting vapor.

It will kill woody plants such as briars and persistent hard to kill plants such as Poison Ivy and Poison Oak. It even kills out tree stumps if used in more concentrated form.

For most lawn applications the 8 oz. can mixed with 6 gallons of water will cover 1200 sq. ft.

8 oz. can \$1.00, qt. \$2.75, gal. \$6.95.

Weedone—Crab Grass Killer

Non-Poisonous Potassium Cyanate

Eliminates Crab Grass and Chick Weed from lawns without killing clover or the regular lawn grasses.

Another important point is the fact that Potassium Cyanate is not toxic to the soil. In fact it breaks down into a stimulating plant food. Grass seed can be sown right after it is applied if your plans work out that way. It is easy and economical to use. 5 ozs. in 7 gals. of water treats about 1000 sq. ft.

6½ oz. \$1.00, 26 oz. \$3.00, 6½ lbs. \$8.85.

Killing Weed Seeds in the Soil before Sowing Lawns

It is possible to accomplish this. It means preparing the soil completely, that is making a good seed bed about a month before active sowing. Immediately after the soil is prepared, spread Aero-Cyanamid evenly over the surface at the rate of 50 lbs. per 1000 sq. ft. For the next 4 weeks keep moist by frequent sprinkling and then the seed may be sown, disturbing the soil as little as possible.

Ask for complete bulletin on the use of Aero-Cyanamid and its cost for the area you have to seed.

LAWNS NEED AERATION



Spike Disc Aerator

This is not a new or untried theory. Golf Course Superintendents have known for years that compacted soil is fatal to good growth of grass roots. "Punching" holes in the lawn effects an entry and allows moisture and plant food to reach the roots. There are areas in most lawns that need aeration badly due to too much walking over or one reason or another. The writer knows positively what aeration can do in deepening root systems, and deep rooted grass can take it when shallow rooted grass is dying out in hot dry weather, or is being crowded out by Crab Grass and weeds. Aeration is especially desirable on terraces and sloping areas where it is so difficult to water well or apply fertilizer without washing down.

Spike Disc Aerator

Cultivates and aerates lawns, an operation (easy as mowing) essential for deep rooting, vigorous grass and healthy green lawns. Especially valuable for hard baked areas. Aerators get moisture and fertilizer down to grass roots. No unsightly tearing up.

No. 8T. 16 in. rolling width. Tray provided to add extra weight. **Price \$16.80.**



Soil-Aire

The Aeri-forke

A hand operated tool that has 3 curved spoons that are easily pressed into the soil. The spoons are $\frac{1}{2}$ in. diameter, half round and make openings 4 to 5 in. deep. They are lifted out easily and the soil cores crumble. Strong well made tool.

Price \$8.85 Delivered to Canton.

For Aerifying Large Areas

We are able to quote prices and provide descriptive material on power equipment for large lawns, estates, and institutions. Come in and check with us on the model best suited to your needs.

Lawn Pest Control



Beetle Grubs cause much damage on lawns. They feed on the grass roots and soon patches of brown grass appears. If allowed to continue the grubs will ruin a whole lawn. They usually start feeding in May. If you suspect grub damage, lift up some of the discolored sod and look for them.

Chlordane, Arsenate of Lead and DDT are all good grub controls. We recommend Chlordane because it is at least equally effective and it costs less per 1000 sq. ft. of area. Chlordane also controls Chinch Bugs and Ants effectively. Those materials may be used right with fertilizer and applied with a spreader. Of a 5% Chlordane Dust, 5 lbs. per 1000 sq. ft. is required. It should be well soaked in to get the material down to the grass roots.

5% Chlordane Dust. 5 lbs. \$1.50.

Ask for quantity prices.

Soil Conditioners For 1953

These new materials, such as Krilium, are proving of very practical value to the home-owner and gardener in the establishment of better lawns, better gardens in every particular.

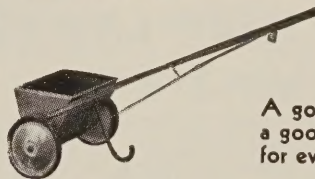
Please ask for prices and full details.

The Soil-Aire

The DeLuxe two tined tool takes out 4 inch long plugs of soil. It is simple to use, and a half hour whenever you get the chance, will take care of an area before you realize it. After an area is "tined" an application of humus material and fertilizer spread over the surface and brushed in with the back of a rake will get a lot of humus down into the holes. Then give the area a good soaking.

The DeLuxe two tined is made to stand long usage. The tines are tapered hardened tool steel, and may be replaced should it ever become necessary. **It is priced at \$6.95.**

Deep Single Tine Model with an 8 inch long tine that is valuable to use under trees or around evergreens, shrubs and roses. Then applications of plant food will really get down to the roots. **Sells for \$4.95.**



A good spreader is a good investment for every lawn owner

Salem Spreaders

Your lawn is much more liable to be fed regularly and accurately at a minimum of work.

Easily adjusted-Rubber tired

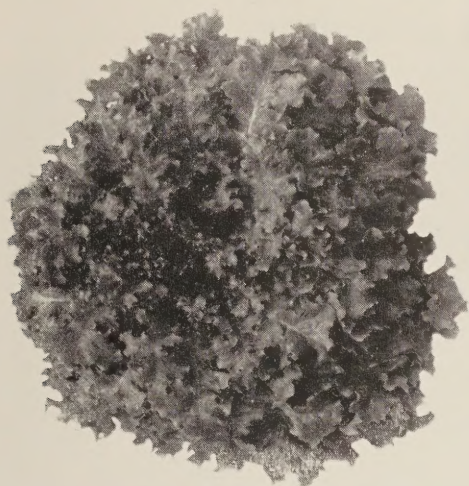
Salem 16 in. Spread width 18 in. Capacity 22 lbs. **Price \$7.45.**

Salem 20 in. Spread width 22 in. Capacity 40 lbs. **Price \$11.45.**

Salem 30 in. Spread width 30 in. Capacity 80 lbs. **Price \$17.45.**

Salem Heavy Duty. 36 in. spread width. Capacity 125 lbs. This model has steel tires with $2\frac{1}{2}$ in. wide tread. **Price \$35.45.**

Prices all subject to change



Tender Lettuce—Salad Bowl



Golden Delight Melon

Make your garden more interesting by adding a few new varieties each year

All-America Selections—A. A. S.

Each year a group of the American Seed Trade Association serve as judges to name, among the many new varieties produced, those most worthy of recommendation to you gardeners. The judges are experts and when a variety is voted a top rating, it is really outstanding.

You may depend on Letherman's catalog offering you the award winning new varieties as well as the best of earlier introductions and favorably performing standard strains.

Try these New Varieties this year

Green Pod Bean—New Wade

All-America Gold Medal for 1952

Handsome, tender long pods on a vigorous disease resistant plant. The pods are smooth, lacking much of the "fuzziness" common to beans. They lose moisture slower, staying green, fresh and better to eat for a longer time than others. Plant a row this spring.

1/2 lb. 35c, 1 lb. 65c, 2 lbs. \$1.25, 5 lbs. \$3.00.

Sweet Corn—Seneca Dawn

In 1951 Ohio trials this was given an excellent overall rating. In spite of a late season first picking was ready in 80 days. Ears are extra large for an early, and of fine eating quality.

1/4 lb. 25c, 1/2 lb. 45c, 1 lb. 80c, 2 lbs. \$1.50.

Surecrop Hybrid Cucumber

All-America Medal Winner for 1951

Long, slender fruits of the white spine type, 8 to 9 inches long, 2 1/2 inches in diameter. The vines are very vigorous and heavy yielding over a long season. Judges reported it early, beginning to bear in 58 days, and disease resistant. Flesh is white, crisp, tender and of good flavor.

Pkt. 30c, 1/8 oz. 85c, 1/4 oz. \$1.50.

Hybrid Yellow Onion Y40

An early, mild, sweet onion, nearly full globe in shape and has out-yielded Early Yellow Globe by 30 to 40%, of the top grade bulbs.

Pkt. 25c, 1/4 oz. 60c, 1/2 oz. \$1.10, oz. \$2.00.

Lettuce—Salad Bowl

All-America Gold Medal for 1952

You will enjoy Salad Bowl in your garden because from all reports it stays tender (without bitterness) even when days get hot and dry. Big loose leaf variety with very attractive cut leaf appearance somewhat resembling endive.

Pkt. 20c, 1/2 oz. 40c, oz. 75c, 1/4 lb. \$2.25.

Muskmelon—Golden Delight

All-America Bronze Medal for 1952

For the gardener who is interested in "best eating quality" as well as high yield, good size and vigorous plant growth. It did very well even under poor conditions last summer. The All-America judges deemed "Golden Delight" superior for home garden and market.

Pkt. 20c, 1/2 oz. 45c, oz. 70c, 1/4 lb. \$2.50.

Spinach—America

All-America Silver Medal for 1952

Not everybody likes Spinach, but if you do, you might as well grow the best. Spinach is liable to go to seed when it gets hot, but America stays in good condition longest and has thick crumpled leaves that fill the basket quickly.

Pkt. 10c, oz. 20c, 1/4 lb. 40c, lb. \$1.20.

For The New Hybrid Tomatoes
Please see page 25



TENDER, STRINGLESS BEANS

DWARF GREEN POD

Green Pod Bean—New Wade

All-America Gold Medal for 1952

Handsome, tender long pods on a vigorous disease resistant plant. The pods are smooth, lacking much of the "fuzziness" common to beans. They lose moisture slower, staying green, fresh and better to eat for a longer time than others.

Growers who planted Wade last year reported they picked big crops of long podded beans of excellent quality. You plant a row this year.

½ lb. 35c, lb. 65c, 2 lbs. \$1.25, 5 lbs. \$3.00.

Topcrop

All-America Gold Medal Award for 1950

A green pod bean of exceptional merit. Topcrop is resistant to mosaic and virus disease, is hardy and a tremendous yielder of slightly curved, round, meaty, stringless pods. Outyields, and is earlier than Tendergreen.

½ lb. 35c, lb. 60c, 2 lbs. \$1.15, 5 lbs. \$2.75.

Fine Standard Varieties

Asgrow Stringless Green Pod-Impd. Tendergreen.

52 days. Pods are entirely stringless and fiberless, meaty and richly flavored. They are round, long (6-6½ inches) nearly straight and attractive dark green. Our most popular variety.

Asgrow Stringless Black Valentine. 49 days. The favorite with many market gardeners. Oval pods.

Bountiful. 49 days. Most popular flat podded green bean. Long, flat, tender, stringless pods.

Burpee's Stringless. 50 days. Pods long, round, meaty, brittle, tender and stringless.

Prices—All Varieties Except as Noted—¼ lb. 20c, ½ lb. 30c, lb. 55c, 2 lbs. \$1.05, 5 lbs. \$2.50. (Subject to Change).

If you plant Beans in large quantities, please ask for prices.

Dwarf Horticultural or Speckled Cranberry. Used both for snap beans (54 days) and green shelled beans (62 days).

Logan. 66 days. A tremendous yield of long, round, tender pods.

½ lb. 35c, lb. 60c, 2 lbs. \$1.15, 5 lbs. \$2.75.

Ranger. Vigorous plants (with half runners) which yield tremendous quantities of round, straight, green pods. Beans may be used fresh, canned, frozen or for dry beans, seeds being white.

½ lb. 35c, lb. 60c, 2 lbs. \$1.15, 5 lbs. \$2.75.

Tendergreen. See Asgrow Stringless Green Pod.

Dwarf Wax Pod

Cherokee Wax. 50 days. They closely resemble, except in color of pod, the Asgrow Black Valentine which means it is an extremely heavy bearer of stringless, oval pods, long, tender and of good quality.

Imp. Golden or Top Notch. 51 days. The most popular flat, oval pod bean for home garden. Stringless and rich flavored.

Pencil Pod Black Wax. 52 days. Plant large, stocky, vigorous, early and profuse bearer. Pods round, slightly curved, very brittle, finest quality and entirely stringless.

Round Pod Kidney or Brittle Wax. 58 days. Of superb quality, the round fleshy pods are slightly curved, extremely brittle and stringless.

½ lb. 35c, lb. 60c, 2 lbs. \$1.15, 5 lbs. \$2.75.



Inoculate Beans with Nitragin Legume Bacteria

It means increased yield—very simple process. **Garden size package (enough for 8 lbs.) 15c.** Also valuable for Garden Peas, Sweet Peas and Lupines.

To Enjoy the Finest Bean Crops

Bush Beans. After soil is warmed up plant beans in trench $1\frac{1}{2}$ to 2 inches deep—spacing seed 2-3 in. apart. One pound plants about 100 ft. row. Space rows 24 to 30 in. apart. Pick pods as soon as edible. For steady supply make successive plantings until August 1st or early enough to insure crop before fall frosts. In the variety descriptions we give the approximate number of days to reach edible stage. Do not pick or cultivate beans when wet.

Lima Beans. More sensitive to cold than others, so it is late May or June before safe to plant. For green shell Limas you can plant up to July 10th. One pound to 100 ft. row. Place seeds edgewise, eyes down.

BUSH LIMAS

Early Market. 70 days. Produces an extra heavy early yield about a week earlier than Burpee's Improved. The beans are medium large, flat and of excellent quality. Very reliable for home garden or market.

Burpee's Improved. 75 days. Plants are large, vigorous, and very productive. Excellent large seeded variety, fine for home gardens, always doing well.

The Fordhook or Potato Lima—Best for Market

Fordhook Regular. 77 days. The original Potato Lima and extremely heavy yielding, though sensitive to conditions. Large thick oval beans of rich flavor.

Fordhook 242. 75 days. The same high quality as Fordhook, and sets pods better in hot, dry weather. Plants large and productive.

Best of the Baby Limas

Triumph. 70 days. A new extra high quality baby lima, with seed thicker and larger than Baby Fordhook. It is also an extremely heavy yielder.

Henderson's Baby Lima. 65 days. Plants small, erect and very early and prolific. Seeds small and excellent quality.

$\frac{1}{2}$ lb. 30c, lb. 50c, 2 lbs. 95c, 5 lbs. \$2.25.

Prices all Limas—except as noted— $\frac{1}{4}$ lb. 20c, $\frac{1}{2}$ lb. 35c, lb. 60c, 2 lbs. \$1.15, 5 lbs. \$2.75. (Subject to change.)

POLE BEANS—GREEN

Heavily productive over a long season. Plant with corn or with pole or trellis supports. The hills are spaced 2 to 3 feet apart, 4 to 5 seeds in a hill.

Potomac. 65 days. Very productive of long straight, almost round dark green pods. Of better quality than Kentucky Wonder, being entirely stringless.

Kentucky Wonder (Old Homestead). 65 days. Plants are very tall and prolific. Pods long, curved, and nearly round, meaty, fiberless and brittle.

Lazy Wife. 74 days. A good late variety. Used as a snap, green shell and dried winter bean.

London Horticultural (Speckled Cranberry). 70 days. Widely used as a snap and green shell bean. Pods thick-flat, slightly curved, and good quality.

All Above Varieties—Pkt. 15c, $\frac{1}{2}$ lb. 30c, lb. 55c, 2 lbs. \$1.05, 5 lbs. \$2.50.

POLE WAX PODDED

Kentucky Wonder Wax. 68 days. Plants very productive. Pods waxy-yellow, fleshy and tender.

$\frac{1}{2}$ lb. 35c, lb. 65c, 2 lbs. \$1.25.

Rotenone and Methoxychlor

Control Mexican Bean Beetle. Please see Insecticide pages.



Outer Pods, Fordhook. Inner Pods, Pole Limas

POLE LIMAS

Set 8 foot poles 4 feet apart each way, plant 4 to 6 beans to the hill, eyes downward. Thin out to 3 plants. One lb. plants 50-75 hills.

Challenger Improved (Fordhook Pole). 92 days. A potato lima, similar in pod and seed to Fordhook Bush.

King of the Garden. 88 days. Very productive. Pods 5 to 6 inches long with 4 to 5 large beans.

Butter Beans. Not Limas but runner beans with long vines that bear great quantities of pods in clusters. Seeds are white and are used in green shell or dry stage and are of excellent quality.

All Above Varieties— $\frac{1}{4}$ lb. 20c, $\frac{1}{2}$ lb. 35c, lb. 60c, 2 lbs. \$1.15, 5 lbs. \$2.75.

DRY SHELL FIELD BEANS

Michelite Pea or Navy Bean. 90 days. The best of the small white beans, superior in yield and uniformity of seed size. Disease resistant.

Great Northern. 90 days. Larger seeded.

White Marrow. 100 days. Large rounded seed.

White Kidney. 95 days. Kidney shaped.

Dark Red Kidney. 95 days. Old favorite.

Prices All Field Varieties— $\frac{1}{4}$ lb. 15c, $\frac{1}{2}$ lb. 25c, lb. 40c. Please Ask for Quantity Prices.

EDIBLE SOY BEANS

Bansei. 90 days. Best variety for North. Plants erect and of medium height, very prolific. Beans glossy yellow, of mild and pleasing flavor. Rich in vitamins, low in starch.

$\frac{1}{2}$ lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75.

TREAT LIMA SEED WITH SPERGON

It protects early plantings in cold wet soil. 1 oz. (treats $\frac{1}{2}$ bushel) 25c.

ASPARAGUS SEED

Seed started this spring will grow roots large enough to produce cutting stalks by the third year.

Mary Washington. Resistant to rust and the most popular variety. Heavily productive of large green shoots of finest quality.

Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 70c, lb. \$2.25.

Asparagus Roots. Please see page 49.

BEETS

Plant April to July, one ounce to 100 ft. row

Sow as early as soil can be worked. Beets thrive best in a light, loose, deeply worked soil that has been enriched for a previous crop, and that is not acid. Sow about 12 seeds per foot $\frac{1}{2}$ in. deep in drills 18 in. apart. Plants should be thinned out to 3 or 4 in. apart; this may be done when they are 2 in. high or they may be left until they reach 6 in. for use as "greens."

For late crops it is well to thoroughly soak the seed before sowing. This insures quicker and better germination. Cover late sowings a little deeper.

Asgrow Wonder. 57 days. Unsurpassed in earliness, uniformity, and in depth of coloring. Distinctive green tops, uniform in size and color, bunching very attractively. Roots round when young, semi-globular later, deep red, smooth, and of excellent quality.

Detroit Dark Red. 68 days. Roots are globular, with small tap root, flesh deep blood red, tender and sweet. Detroit is one of the very finest beets for all home garden purposes, canning, and for market.

Letherman's Green Top. 75 days. The leaves are bright green, often used for "greens;" the root is top-shaped, deep blood red, of fine texture without fiber or strings—sweet and tender at all stages.



Broccoli, Green Sprouting



Asgrow Wonder

Crosby's Egyptian. 60 days. Early, sweet, tender.

Early Blood Turnip. 68 days. An old time favorite.

Prices All Varieties Beets—Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 55c, lb. \$1.60.

MANGEL BEETS

For Stock and Poultry

Golden Tankard. 100 days. Large cylindrical roots. Yellow fleshed.

Mammoth Long Red. Most popular and heaviest yielder. White fleshed.

Either—Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.20.

SWISS CHARD — SPINACH BEET

See page 22.

All root crops are more tender if they grow quickly. Do not spare fertilizers in your garden.

BROCCOLI

Maturing in late fall is preferred to growing an early crop as they develop best in cool weather.

Italian Green Sprouting. If central head and sprouts are cut as they develop, plants yield over a long period. About 60 days from setting of plants to first cutting.

Pkt. 10c, $\frac{1}{2}$ oz. 35c, oz. 60c, $\frac{1}{4}$ lb. \$1.80.

BRUSSELS SPROUTS

One ounce will produce 2,500 plants

Sow seed in hotbed or cold frame in March or early April for early crop. For late crop set plants in field late June or July.

Long Island or Half Dwarf Improved. Excellent variety growing about 20 inches high.

Pkt. 10c, $\frac{1}{2}$ oz. 40c, oz. 75c.



Typical Head of Copenhagen Market



Our Cabbage Excels in Uniformity

CABBAGE

Set early cabbage in field April and May. Set late cabbage in field June and July. One ounce will produce 3,000 or more plants.

Cabbage does best in rich soil. Sow the early varieties in March in boxes or hotbed, and harden off by gradually exposing to outside conditions. Transplant outside as soon as ground can be worked in rows 2 feet apart and $1\frac{1}{2}$ feet apart in the rows. Sow late varieties in May or June and transplant in July.

EARLY VARIETIES

Copenhagen Market. 69 days. An early round headed variety, few outer leaves, short stem. Excellent for shipping, kraut, or home garden.
Pkt. 10c, $\frac{1}{2}$ oz. 30c, oz. 50c, $\frac{1}{4}$ lb. \$1.50.

Early Jersey Wakefield. 63 days. Pointed head about 7 in. long; dwarf, compact, and very early.
Pkt. 10c, $\frac{1}{2}$ oz. 25c, oz. 45c, $\frac{1}{4}$ lb. \$1.35.

Golden Acre. 64 days. An extra early selection of Copenhagen type. Plant dwarf and compact with few outer leaves; solid and very uniform.
Pkt. 10c, $\frac{1}{2}$ oz. 30c, oz. 50c, $\frac{1}{4}$ lb. \$1.50.

Golden Acre Yellows Resistant. Same season and size as Golden Acre.
Pkt. 10c, $\frac{1}{2}$ oz. 35c, oz. 65c, $\frac{1}{4}$ lb. \$1.90.

Glory of Enkhuizen. 77 days. Large, round, solid heads, of excellent quality.
Pkt. 10c, $\frac{1}{2}$ oz. 25c, oz. 45c, $\frac{1}{4}$ lb. \$1.35.

Marion Market. 79 days. Yellows Resistant Strain of Copenhagen. Slightly larger and later.

Pkt. 10c, $\frac{1}{2}$ oz. 35c, oz. 60c, $\frac{1}{4}$ lb. \$1.75.

CHINESE CABBAGE

Makes an excellent fall crop (cool weather) from July sowing. May be served like lettuce or when shredded it makes delicious slaw.

Chihli. 75 days. Heads are long, cylindrical, solid, sweet and tender.

Pkt. 10c, $\frac{1}{2}$ oz. 20c, oz. 30c, $\frac{1}{4}$ lb. 90c.

MIDSEASON AND LATE

Bugner. 105 days. Larger, flatter than Ballhead.

Pkt. 15c, $\frac{1}{2}$ oz. 40c, oz. 75c, $\frac{1}{4}$ lb. \$2.25.

Danish Ballhead. 103 days. Because of its great solidity and excellent keeping qualities it is the most popular winter variety.

Pkt. 10c, $\frac{1}{2}$ oz. 30c, oz. 50c, $\frac{1}{4}$ lb. \$1.50.

Penn State Ballhead. 105 days. Extremely hard, large flattened globe shaped heads.

Pkt. 15c, $\frac{1}{2}$ oz. 40c, oz. 70c, $\frac{1}{4}$ lb. \$2.15.

Drumhead Savoy. 90 days. Best of the crinkled or savoyed leaved varieties. Has distinct flavor.

Pkt. 10c, $\frac{1}{2}$ oz. 35c, oz. 60c, $\frac{1}{4}$ lb. \$1.75.

Mammoth Rock Red. 100 days. Most popular red cabbage. Round very hard heads.

Pkt. 10c, $\frac{1}{2}$ oz. 35c, oz. 60c, $\frac{1}{4}$ lb. \$1.75.

Premium Late Flat Dutch. 100 days. Makes large flat solid heads of fine keeping quality.

Pkt. 10c, $\frac{1}{2}$ oz. 25c, oz. 45c, $\frac{1}{4}$ lb. \$1.35.

Wisconsin Hollander No. 8. 105 days. The Yellows Resistant strain of Ballhead.

Pkt. 10c, $\frac{1}{2}$ oz. 35c, oz. 65c, $\frac{1}{4}$ lb. \$2.00.

Wisconsin All-Season (Yellow Resistant). 95 days. Heads large, solid and excellent quality. Desirable for kraut, also a good winter keeper.

Pkt. 10c, $\frac{1}{2}$ oz. 35c, oz. 60c, $\frac{1}{4}$ lb. \$1.75.

To Control Cabbage Maggot and Cut Worms

Spread Chlordane Dust around plants immediately after setting. Dust with Rotenone for Cabbage Worms.

CARROTS

Sow late April through June, $\frac{1}{2}$ oz. to 100 ft. row

Carrots develop roots quickly in deep, well prepared fine soil that does not bake hard or crust. Make first sowing in late April spacing seed quite thickly, and covering $\frac{1}{4}$ to $\frac{1}{2}$ inch deep. Thin out to stand 2 to 2 $\frac{1}{2}$ inches apart. As carrots are best when still small make several sowings.

If your soil is heavy, grow shorter root varieties, the long slim ones for deep loose soil.

Airliner. 75 days. A long, slender root of excellent quality. Short, strong top for easy bunching.
Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. 90c, lb. \$3.00.

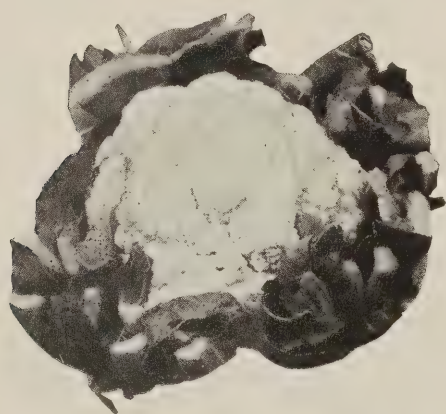
Chantenay Red Core or Coreless. 72 days. Length 5 in. Roots are somewhat shorter than Improved Chantenay so more desirable on shallow soils; flesh reddish orange with indistinct tender core.

Chantenay Improved Long Type. 72 days. Length 6 in. A popular all-purpose variety. Roots deep orange, smooth, tapered, stump-rooted; flesh deep orange. Fine quality.

Danvers Red Core, Coreless Strain. 75 days. Length 7 in. An outstanding strain of the Danvers type, of better quality and slightly longer than original.

Imperator. 77 days. Length 8 in. Tops are medium and just right for bunching. Roots are long, slender, have rounded shoulders and taper to a semi-blunt end. Flesh is rich orange, fine grained, tender and sweet.

Prices All Varieties Except as Noted—Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 80c, lb. \$2.40.



Early Snowball Cauliflower

CHICORY

Magdeburg or Coffee. Roots roasted and used as coffee. Leaves are good for salad in spring.

Witloof, French Endive. Seed sown in spring. Roots taken up in fall, stored in sand for winter forcing. Shoots are a great delicacy.

Either Variety—Pkt. 10c, $\frac{1}{2}$ oz. 25c, oz. 40c.



Carrot, Nantes Imp. Coreless

Nancy. 72 days. Length 6 in. Roots are coreless, sweet, of the very highest quality. They average 1 $\frac{1}{2}$ in. in diameter at the shoulder slightly tapering to base. The tops are strong for easy bunching.
Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. 90c, lb. \$3.00.

Nantes Improved Coreless. 70 days. Length 6 in. We have an excellent strain of Nantes, more popular each year because of its fine grained tender quality, plus handsome appearance. Roots bright orange, slender, cylindrical and blunt ended.

Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. 90c, lb. \$3.00.

Oxheart. 72 days. Length 4 $\frac{1}{2}$ in. A prolific variety, with blunt heart-shaped roots.

CAULIFLOWER

One ounce produces 1,500 to 2,000 plants

You will have the best Cauliflower growing it as a fall crop, sowing the seeds in a well prepared seed bed in June. Transplant when large enough and keep the plants growing steadily to get the finest heads.

Early Snowball. 55 days. The best early variety. Compact, pure white heads of superb quality. Dwarf growth, medium size heads.

Snowdrift. 62 days. Slightly later and larger than Snowball with plenty of foliage for head covering. Does well under a wide range of conditions. Especially fine for main crop or fall use.

Either Variety—Pkt. 20c, $\frac{1}{4}$ oz. 80c, $\frac{1}{2}$ oz. \$1.50, oz. \$2.75.

COLLARDS—Georgia. A non-heading type of cabbage, widely used for greens. Withstands heat.
Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c.

CURLED CRESS—Pepper Cress. A cress of pungent flavor used for salads and garnishing.
Pkt. 10c, oz. 30c.

CELERY

For early set plants in May. For late set plants in July
One ounce produces 8,000 to 10,000 plants

Soil should be rich and well prepared with a constant supply of moisture maintained. Sow the seeds in beds or boxes during March or April, transplant to other beds or boxes in finely prepared rich soil when plants are 3 to 4 inches high, 3 inches apart each way. In June or July transplant to the garden. Do not cover celery for blanching in warm weather.

Emperor. A dwarf variety with dark green foliage. Stalks thick, broad and tender. Excellent green celery for late fall or winter.
Pkt. 10c, $\frac{1}{4}$ oz. 30c, $\frac{1}{2}$ oz. 55c, oz. \$1.00.

Giant Pascal. A green variety for fall and winter use. Plant stocky with dark green leaves. Stalks long, broad and solid.
Pkt. 10c, $\frac{1}{4}$ oz. 25c, $\frac{1}{2}$ oz. 40c, oz. 75c.

Summer Pascal—Special Strain. The outstanding green celery. Very easy to blanch and of finest quality. Plant green, medium height with nearly round, smooth, crisp heavy stalks of delicious nutty flavor. For either early or late crop and we highly recommend it.
Pkt. 15c, $\frac{1}{4}$ oz. 60c, $\frac{1}{2}$ oz. \$1.10, oz. \$2.10.

Celeriac, Smooth Prague. A turnip-rooted celery used for celery flavoring in soups.

Pkt. 10c, $\frac{1}{4}$ oz. 25c, $\frac{1}{2}$ oz. 45c, oz. 80c.



Black Beauty

ENDIVE

Sow seed in April for early use, or for late use in June or July. When 2 or 3 inches high, transplant or thin to 8 inches apart. To blanch hearts, raise leaves and tie together over heart.

Batavian Full Heart. 71 days. Inside leaves crisp and tender, forming a rather solid head which blanches creamy white.

Green Curled Ruffec. 76 days. Leaves are finely cut giving it a mossy appearance. The full center blanches readily to white.

PRICES—Either Above—Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

Large Green Curled—Pancalier or Pink Ribbed. 76 days. Large with coarsely toothed leaves forming a good blanched heart. Midribs tinged rose.

Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.



Special Summer Pascal

The rightfully proud "boss gardener" is Billy, son of our Mr. Wayne Watson.

DANDELION

Improved Thick Leaved. Hardy perennial form with broad leaves, superior to native. Cover seed lightly.
Pkt. 15c, $\frac{1}{4}$ oz. 60c, $\frac{1}{2}$ oz. \$1.10, oz. \$2.00.

DILL

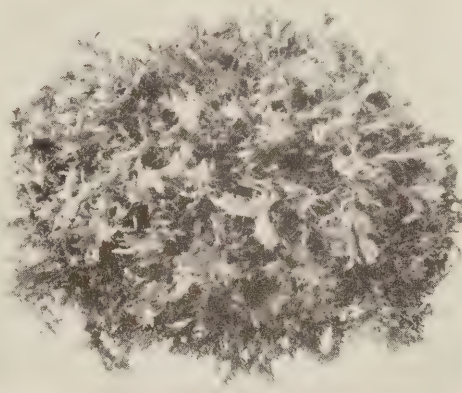
Long Island Improved. Used for flavoring pickles and vinegar. Sow in early spring covering seed about $\frac{1}{2}$ inch.
Pkt. 10c, oz. 15, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

EGG PLANT

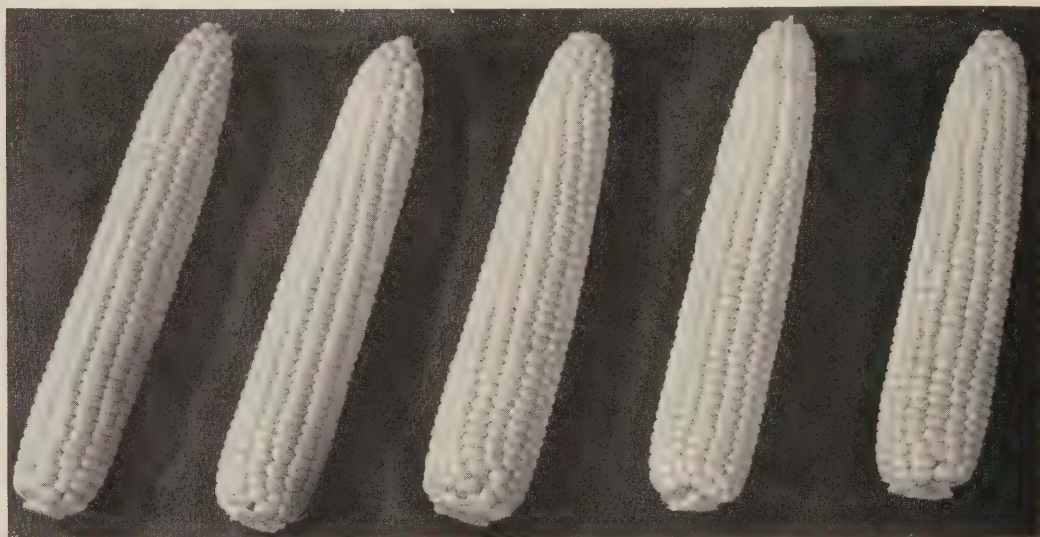
Sow seed in March in hotbed or seed boxes. When 3 inches high transplant into small pots. Plant outdoors when weather is warm.

Black Beauty. 80 days. Large, purplish black fruits, solid, tender and of good flavor.

New Hampshire Hybrid. 70 days. An early market variety.
Price, Either Variety—Pkt. 15c, $\frac{1}{4}$ oz. 35c, $\frac{1}{2}$ oz. 65c.



Endive, Green Curled Pancalier



You will like the fine big ears that Erie produces

Grow Your Own SWEET CORN

Only corn that is served within an hour or two after gathering is really corn at its best. Only when you grow your own is this possible.

All our varieties are of good quality and we hesitate to recommend any one as being the best. We prefer the Hybrids knowing that they give you more edible ears per row.

HYBRID YELLOW VARIETIES

Listed in order of earliness, the number of days to picking after the name. However, these dates are comparative only, depending on varying conditions.

Seneca Dawn. See Novelty Page 5.

Spancross C13.3. 71 days. Valuable when earliness is the first consideration.

Marcross C13.6. 76 days. Short, sturdy stalks, highly resistant to wilt. Long, plump ears tapered at tips with 10-14 rows of cream-yellow kernels.

Gold Rush. 78 days. Large ears for an early variety, 12 to 14 rowed, 8 inches long. Delicious to eat.

Carmelcross. 79 days. Excellent for home garden, market or canning and very vigorous and productive for an early variety. Medium size ears, 12 to 14 rows. Carmelcross is rapidly gaining in popularity.

Lincoln. 83 days. Vigorous, well foliaged plants with long tapering ears well filled to the tips. 12 to 16 rows of bright yellow kernels.

Lochief. 85 days. New All-America Gold Medal Winner. Produces large ears of excellent eating quality, same season as Golden Cross Bantam.

Golden Cross Bantam. 85 days. The standard yellow hybrid for home and market garden. Excellent quality. Ears 10-14 rowed, with rich yellow kernels.

To get a long "corn eating season" you can select one variety and make several plantings, or you may choose several varieties that vary in season and plant all at one time. For instance, one good set of 3 is Marcross, Carmelcross and Golden Cross Bantam. Another is Carmelcross, Golden Cross and Erie.

Golden Hybrid 2439. 87 days. Tall, leafy stalks with few suckers. Excellent ears with deep bright yellow kernels of top quality.

Ioana. 87 days. A very productive variety that does much better than most even under adverse weather and soil conditions. Ears 7½ to 8 inches long with 12 to 14 rows of light yellow, very sweet kernels.

Erie. 88 days. A splendid new Hybrid, an All-America Winner. Erie produces beautiful long cylindrical, slightly tapered ears, 12 to 14 rowed, well filled to the tips. The quality is excellent.

OhioGold 1. 91 days. Gives the grower the combination of high yield with excellent quality. The tall rugged stalks produce long ears of 12 to 14 rows of kernels.

Prices All Yellow Hybrids—¼ lb. 20c, ½ lb. 35c, lb. 65c, 2 lbs. \$1.25, 5 lbs. \$3.00.

HYBRID WHITE VARIETIES

Stowell's Evergreen Hybrid 14 x 5. 93 days. Tall, sturdy stalks with ears borne about 4 feet from the ground. Ears are large and slightly tapered with 16-18 rows. Kernels white and deep of medium growth.

Country Gentleman Hybrid 8 x 6. 99 days. Ears average 8 inches long, kernels in irregular rows. Extremely drought-resistant.

Prices All Hybrid White Varieties—¼ lb. 25c, ½ lb. 40c, lb. 75c, 2 lbs. \$1.45.

To Grow Sweet Corn

Plant May (warm soil) to July 1st

One lb. to 200 ft. row, 12 lbs. per acre

Plant 5 to 6 seeds per foot, thinning out later so that plants stand 9 to 10 inches apart. Fertilize deep before planting and side dress with fertilizer a

couple of times as the corn is growing. Do not hoe or cultivate deeply as roots are shallow. Pull the soil up around the stalks to hold moisture below and to brace them. It is better as far as pollenization and yield is concerned to plant one variety in 3 or 4 parallel rows rather than one long row. Dust or spray for borer and corn ear worm.

OPEN POLLINATED—YELLOW

Golden Sunshine. 74 days. Ears have 10-12 rows, with medium kernels.

Golden Bantam. 79 days. Short stalks, often have 2 ears. Ears are 8 rowed with broad, sweet, tender kernels. For sweetness Golden Bantam is unbeatable.

Golden Bantam, Improved 10-14 rowed. 82 days. Larger than Golden Bantam and kernels remain tender longer. Kernels deep and sweet.

Golden Giant. 87 days. Large 12-16 rowed ears. For home or market.

Whipple's Early Yellow. 87 days. Medium large ears, well filled to tips.

Bantam Evergreen. 95 days. A late yellow variety with 14-18 rows of rich golden yellow, deep, sweet kernels.

SWEET CORN PRICES

Prices on all Open Pollinated Varieties 1/2 lb. 25c, lb. 45c, 2 lbs. 85c, 5 lbs. \$2.00.

Corn Borers on Sweet Corn

Are controlled by spraying or dusting with DDT, applied as the egg masses appear on the leaves. See our Insecticide pages for the best DDT formulations.

Weeds in Sweet Corn

May be controlled by proper use of 2, 4D Weed Killers. If you have a large planting get our concentrated 2,4D in gallons. For small plantings use the home garden containers same as for lawns.

OPEN POLLINATED—WHITE

Howling Mob. 83 days. A prolific variety for the home garden. Ears 12-16 rowed with plump white kernels.

Black Mexican. 88 days. Ears 8 rowed, kernels tender, sweet, white at eating stage.

Clark's Early Evergreen. 90 days. A variety popular for its large ears of 16-20 rows. Kernels are very deep, sweet and tender.

Stowell's Evergreen. 95 days. Most popular late variety for home and market gardeners. Large ears 16-20 rowed. Quality is excellent and it holds well in prime condition at the eating stage.

Aunt Mary's. Gardeners who grow this corn say it's the sweetest of the sweet. Fairly late.

Country Gentleman, Shoepeg. 95 days. A prolific variety. Kernels are set irregularly, are deep, slender, and very sweet.

GROW POP CORN

Hybrid Purdue 31, in comparison with the heaviest yielding standard varieties, runs almost 2 to 1, and the popping expansion is even greater than the South American or T.N.T. Eating quality of the popcorn is excellent.

1/4 lb. 25c, 1/2 lb. 45c, lb. 80c, 2 lbs. \$1.55.

Giant Yellow (South American Giant T.N.T.). 100 days. Pops out very large.

White Rice. 90 days. Heavy yielding, white kernels.

Hulless. 85 days. Small eared. Pops out very tender and hullless.

Above 3 Varieties—1/4 lb. 15c, 1/2 lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75.

PLANT SOME HERBS THIS YEAR

Anise. 75 days. An annual, grown for the seeds, used in flavoring. Pkt. 10c, 1/2 oz. 25c, oz. 40c.

Basil Sweet. An annual plant, with spicy aroma. Pkt. 10c, 1/2 oz. 30c, oz. 50c.

Borage. 80 days. Annual. Fuzzy leaves used as pot herb and for flavoring. Pkt. 10c, 1/2 oz. 25c.

Caraway. Biennial. Seeds used for cakes, etc. Pkt. 10c, 1 oz. 30c.

Chives. Perennial, belonging to onion family. Leaves used in salads, soups, and stews. Pkt. 15c, 1/4 oz. 40c.

Coriander. 75 days. Annual. Seeds are used for spices and medicinally. Pkt. 10c, 1 oz. 30c.

Florence Fennel. Annual. Pkt. 10c, 1 oz. 30c.

Sweet Fennel. 70 days. Annual. Seeds used for flavoring confections and medicines.

Pkt. 10c, 1/2 oz. 30c, 1 oz. 50c.

Horehound. Perennial. Leaves used for seasoning and for cough medicines. Pkt. 15c, 1/4 oz. 30c.

Lavender. Perennial. Dried flower stalks are used in perfumes and for scenting linens. Pkt. 15c.

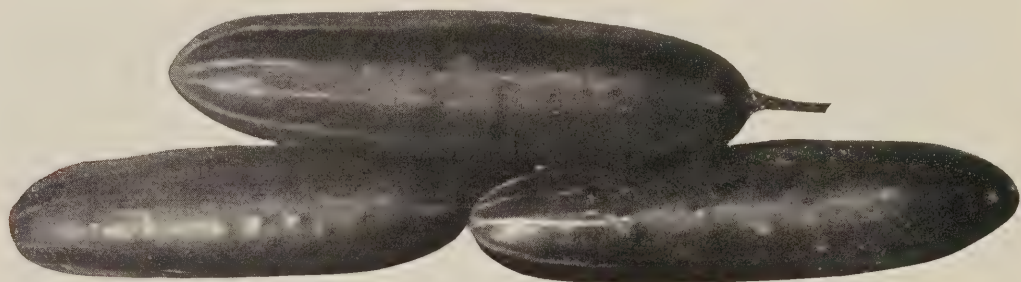
Sage. Perennial. Has an aromatic odor and is commonly used for seasonings and medicines.

Pkt. 15c, 1/4 oz. 30c, 1 oz. 90c.

Summer Savory. Annual. Leaves used for salads, and dried for soups, etc. Pkt. 10c, 1/2 oz. 25c.

Sweet Majoram. Tender perennial grown as an annual. Leaves used in seasoning. Pkt. 15c.

Thyme. Perennial. Strong aromatic odor. Used for seasoning, and in medicines. Pkt. 15c, 1/4 oz. 50c.



Marketer, For Both Quality and Appearance—The Best

CUCUMBER

New Hybrid Cucumbers

The value of the Hybrid Cucumbers lies in the vigor of the plants, their disease resistance and correspondingly heavy yield, even under adverse conditions.

Early Surecrop Hybrid. 58 days. An All-America Winner for 1951. Early, yielding good fruits in 2 months or less, and continuing over a long period. The fruits average 8 to 8½ inches long, 2½ inches in diameter. Flesh is crisp, tender of excellent flavor.

Burpee Hybrid. 60 days. The fruits average 8 inches in length with crisp flesh. A heavy cropper.

Either Hybrid—Pkt. 30c, ⅛ oz. 85c, ¼ oz. \$1.50.

Marketer—Top Market Variety

Marketer. 61 days. Early and noted for its rich dark green color, handy size, slender shape and fine crisp flesh. Vigorous and prolific vines make this valuable for early market or home garden.

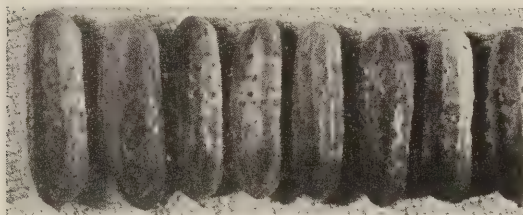
Pkt. 10c, oz. 30c, ¼ lb. \$1.00, lb. \$3.00.

Cubit. 60 days. Deep green, cylindrical fruits, averaging 8½ to 9 inches long, are blunt ended with small seed cavity, superb for slicing.

Pkt. 10c, oz. 30c, ¼ lb. \$1.00, lb. \$3.00.

Our Pickle and Melon Dust

Protects your plants against insects and diseases attacking Cucumbers. See Insecticide pages.



Producer—Heaviest Yielding Pickler

Plant late May to July 15. 1 oz. plants 100 hills

Plant after soil has warmed up in hills 3 ft. apart with rows of hills 5 to 6 ft. apart. Place 8 to 10 seeds in a hill, thinning out later to 3 good plants. Watch closely for insects, dusting or spraying regularly. Pick the fruits as soon as ready to keep vines bearing.

Standard Slicing Cucumbers

Arlington White Spine. 62 days. Favorite variety, early and productive.

Colorado or A & C. 68 days. Fruits very attractive, dark green, with small seed cavity.

Early Cluster. 55 days. Chunky, small fruits borne in clusters. For slicing or pickling.

Improved Long Green. 67 days. A very prolific variety for the home garden. Fruits deep green, straight, very crisp. For pickling or slicing.

Straight 8. 66 days. Fruits 8 inches long, cylindrical.

White Wonder. 90 days. Fruits about 7 inches long, smooth and ivory white.

Prices—All Varieties Except as Noted—Pkt. 10c, oz. 30c, ¼ lb. 90c, lb. \$2.75.

The Best Picklers

Producer Pickling. 54 days. A white spine pickling variety that out-yields all others. The fruits are produced in clusters, dark green in color, slightly shorter than National Pickling.

National Pickling. 56 days. Very uniform and valuable variety for small pickles. Fruits dark green, symmetrical and blunt ended.

Boston Pickling. 58 days. Prolific early.

Chicago Pickling. 59 days. Square ended, uniform.

All Above Varieties—Pkt. 10c, oz. 30c, ¼ lb. 90c, lb. \$2.75.

KALE

Sow early in Spring or in June for fall crop. Frost improves the quality. ¼ oz. to 100 ft. row.

Dwarf Green Scotch. 55 days. A handsome plant with wide spread plump dark green leaves, fine curled and frilled.

Pkt. 10c, oz. 30c, ¼ lb. 90c.

KOHL RABI

½ oz. to 100 ft. row

Can be planted in succession from early spring to August 1. Thin out to stand 4 in. apart. Kohl Rabi is tender only while young.

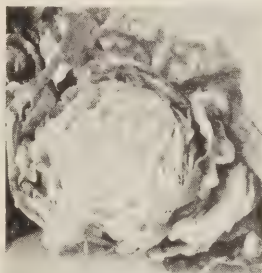
Early White Vienna

Purple Vienna

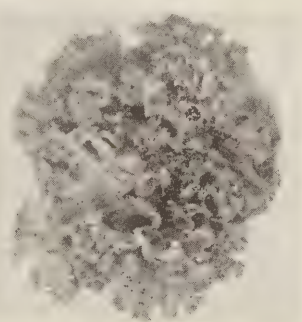
Either—Pkt. 10c, ½ oz. 25c, oz. 40c.



Progress, Imperial Type



Bibb



Grand Rapids

LETTUCE

Sow seed April, May and August
1/2 oz. plants 100 ft. row

To grow head lettuce early, sow seed in March in boxes, flats, or hotbed. When an inch high, transplant to coldframes. From there set out in the garden as soon as the soil is warm in rows 12 to 18 inches apart and 7 inches apart in the rows. Where there is no hotbed, sow seed outside in April and transplant.

LOOSE LEAVED LETTUCE

New Lettuce Salad Bowl

All-America Medal Winner for 1952

Forms a rosette of rich green leaves which withstands heat and sun without "bolting," even better than Oakleaf. Salad Bowl makes a very attractive loose head for the table or for market, retaining its fresh appearance and tenderness, and its high eating quality.

Pkt. 20c, 1/2 oz. 40c, oz. 75c, 1/4 lb. \$2.25.

Black Seeded Simpson. 46 days. Most popular for home garden. Crumpled, frilled leaves are crisp and tender.

Bronze Beauty. Bronze tinted Oakleaf.

Pkt. 10c, oz. 30c.

Early Curled Simpson. Tender leaved.

Grand Rapids. 43 days. One of the most popular loose leaved varieties. Excellent for early planting outside, and for greenhouse forcing.

Oak Leaf. 45 days. Excellent summer heat resisting lettuce as the leaves retain their good flavor and tenderness without getting bitter. Attractive dark green "oak leaf" leaves.

Pkt. 15c, oz. 50c, 1/4 lb. \$1.50.

Prizehead. 47 days. A crisp variety and fine for home gardens as it grows quickly, making a lot of good eating leaves. Leaves curly, tinged red.

Slobolt. 43 days. As name implies it is very slow to go to seed even in hot, dry weather. Like Grand Rapids in leaf.

Pkt. 15c, 1/2 oz. 30c, oz. 50c.

Cos or Romaine Lettuce

Paris White. 66 days. Head compact with greenish white interior leaves.

Dark Green. 66 days. Good size firm, dark green head.

Prices All Above Varieties Except as Noted—

Pkt. 10c, oz. 25c, 1/4 lb. 75c, lb. \$2.25.

HEADING VARIETIES

Imperial or New York Type

Crisp heading, heat resisting varieties, that keep their fresh appearance for shipping or local market. Shipped in as "Iceberg."

Pennlake. All-America Award Winner. Selected from Great Lakes, slightly smaller. Very fine quality, uniform header and slow to bolt.

Pkt. 15c, 1/2 oz. 35c, oz. 60c, 1/4 lb. \$2.00.

Great Lakes. 83 days. Home gardeners report they get fine large heads of Great Lakes even under adverse conditions. Heavy and compact.

Pkt. 15c, 1/2 oz. 35c, oz. 60c, 1/4 lb. \$2.00.

Imperial 44. 82 days. Solid, well formed crisp heads, seldom fail to develop.

Pkt. 10c, oz. 40c, 1/4 lb. \$1.25.

OTHER LEADING VARIETIES

Bibb. 60 days. Small heads with crisp creamy white yellow inner leaves. Bibb is delicious, having unusual flavor and quality. Seems to be its best on soils containing plenty of lime. Sales are jumping as our customers become familiar with Bibb quality.

Pkt. 10c, 1/2 oz. 25c, oz. 40c, 1/4 lb. \$1.25.

Big Boston. 75 days. Old favorite. Light green tinged bronze with buttery yellow hearts.

Pkt. 10c, oz. 25c, 1/4 lb. 75c, lb. \$2.00.

Crisp as Ice. 74 days. Medium sized compact heads, deep green tinted with bronze. Sure heading.

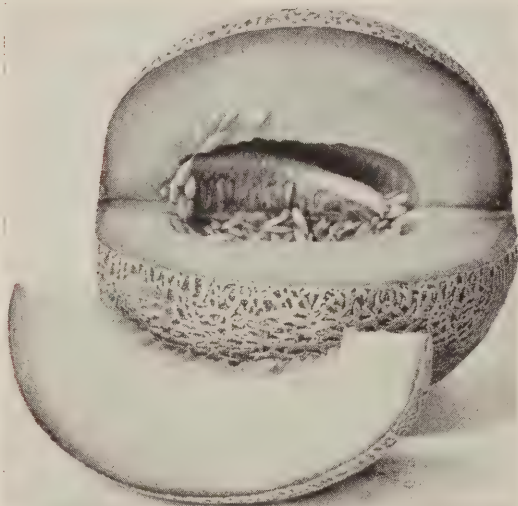
Pkt. 10c, oz. 40c, 1/4 lb. \$1.25.

Imp. Hanson. 80 days. Heads large, compact and tender. Leaves light green; white crisp heart.

Pkt. 10c, oz. 25c, 1/4 lb. 80c, lb. \$2.50.

Iceberg. 84 days. For home gardeners, not to be confused with Imperial "Iceberg." Heads crumpled, light green leaves tinged red.

Pkt. 10c, oz. 25c, 1/4 lb. 80c, lb. \$2.50.



Hale's Best No. 36

Bender's Type Melons

Bender's Surprise. 90 days. Good sized thick oval melons averaging about 7 lbs. It is coarsely netted and ribbed with hard greenish yellow skin at maturity. The flesh is thick, bright salmon in color and of delicious quality.

Delicious or Early Bender. 83 days. As compared with Bender's Surprise, Delicious is smaller (averaging 5½ lbs.) a week earlier.

Iroquois. 90 days. Wilt resistant Bender's.

Schoon's Hardshell Bender's (New Yorker). 90 days. A Bender's Surprise type with extra hard rind, superior for long shipping and handling.

Prices All Varieties Melon—Except as Noted—

Pkt. 10c, oz. 35c, ¼ lb. \$1.00, lb. \$3.00.

**MUSHROOM TRAYS**

Grow Mushrooms right in your basement. Just keep moist. You can start gathering in 3 weeks and keep on for 2 to 3 months.

Tray \$1.85, 2 Trays \$3.50 (Delivered in Canton).

MUSKMELONS

Plant late May or June. 1 oz. plants about 100 hills

Muskmelons like light, well enriched soil. Plant 8 to 10 seeds in a hill spacing hills in a row 3 to 4 ft. apart and the rows 6 ft. apart. When the plants come up thin to 3 to 4 plants per hill.

THE NEW GOLDEN DELIGHT

All-America Winner for 1952

Fine, medium sized melon slightly elongated, averaging 4-5 inches in diameter, 6-7 inches in length. Compared with Pride of Wisc. Delight is earlier, more productive and of even better eating quality. The flesh is orange salmon, deep and firm. Delight does very well in the North even under adverse conditions.

Pkt. 20c, ½ oz. 45c, oz. 80c, ¼ lb. \$2.50.

Granite State. All-American Award Winner in 1951. Granite State is an extra early, heavy yielding melon of the Honey Rock type. Well netted, medium small, with thick sugar-sweet salmon flesh.

Pkt. 15c, oz. 40c, ¼ lb. \$1.20.

Hales Best No. 36. 80 days. The earliest shipping cantaloupe. Fruits 3-4 lb. with thick, salmon colored flesh of fine spicy quality.

Hearts of Gold. 90 days. A medium sized nearly round melon with fairly distinct ribs and heavy close netting. The orange salmon flesh is thick, sweet and spicy.

Honey Rock (Sugar Rock). 81 days. Deep orange flesh, very thick, of delicious spicy flavor, different from all other sorts. Fruits are round, attractive, heavily netted without ribs. Good for home use and early local markets.

Pride of Wisconsin. 90 days. A cross of Honey Rock and Hearts of Gold. Orange flesh, solid and thick, with small cavity, very sweet and of fine flavor.

Rocky Ford. 92 days. Green fleshed variety.

Tip Top. 90 days. Fruit large, slightly oval, evenly ribbed and slightly netted. Flesh bright salmon, sweet and delicious. Splendid for home gardens and local markets.

Prices All Varieties Melon—Except as Noted—

Pkt. 10c, oz. 35c, ¼ lb. \$1.00, lb. \$3.00.

MUSTARD

½ ounce will sow 100 feet of row

Used for greens like spinach. Sow seed in very shallow rows about 2 in. apart, thin out plants to stand 6 to 8 in. apart. For a continuous supply make frequent plantings.

Fordhook Fancy. Bright green, plume-like leaves. Slow to bolt. Mild flavor.

Southern Giant Curled. Light green leaves, curled at edges, tinged with yellow.

Either Variety—Pkt. 10c, oz. 15c, ¼ lb. 50c.

WATERMELONS

Plant late May or June. 1 oz. plants 25 hills

Watermelons do best on light, sandy, well-drained soil which warms up early. The hills should be 6 to 8 ft. apart. Plant 10 to 15 seeds to each hill. Plant when soil is warm and thin out to 3 of the strongest plants to the hill.

Note that with descriptions we give number of days required to grow edible melons. In the vicinity of Canton it is safe to select the earlier varieties that mature in 85 days or less. For the earliest crops start seed indoors in pots or berry baskets.

New Hampshire Midget

All-America Award Winner for 1951

Midget is the finest of the small "ice box" melons. It is primarily for Northern gardens, where earliness is necessary. Midget is not only early, but is very prolific. The fruits average 6 inches through and weight up to 6 lbs. The rind is thin and the red flesh is of excellent flavor.

Pkt. 15c, oz. 40c, 1/4 lb. \$1.20.

Cannon Ball. 95 days. Vines vigorous and productive, fruits dark green, nearly round and large under good conditions averaging 40 lbs. Excellent all purpose variety, with firm red flesh.

Pkt. 10c, oz. 25c, 1/4 lb. 80c, lb. \$2.50.

Cole's Early. 75 days. Our earliest melon. Medium size, striped, oval fruits.

Dixie Queen. 85 days. Fruits weight 30-40 pounds, and more round than oval, light green with dark stripes. Flesh is bright red, crisp and sweet.

Pkt. 10c, oz. 25c, 1/4 lb. 80c, lb. \$2.50.



Dixie Queen

Early Kansas. 80 days. Produces large fruits (30-35 lbs.) for an early variety and is a heavy yielder of nearly round, striped fruits. The bright red flesh is of fine flavor.

Pkt. 10c, oz. 25c, 1/4 lb. 80c, lb. \$2.50.

Kleckley's Sweet Improved. 85 days. Unexcelled for home garden. A large, yet early, long, deep green melon of superb quality.

Stone Mountain. 90 days. A large, nearly round, rich green melon with deep scarlet flesh of delicious sweet flavor.

Winter King and Queen. 90 days. This novel melon will keep several weeks if properly stored. Flesh is crisp and sweet. Fruits round, pale yellowish green faintly striped.

Pkt. 10c, oz. 25c, 1/4 lb. 75c, lb. \$2.25.

Prices All Varieties Except as Noted—Pkt. 10c, oz. 20c, 1/4 lb. 65c, lb. \$2.00.

HOTKAPS INSURE EARLIER AND LARGER CROPS

With the use of Hotkaps as protection against frost and other elements you can set plants out earlier—helping you to beat the neighborhood with early crops. Hotkaps are especially desirable for use with Melons, Cucumbers, and other frost tender crops.

25 Kaps with fiber setter for \$.95
100 Kaps with fiber setter for 3.15
250 Kaps with fiber setter for 5.90
1000 for \$18.35; 5000 at \$18.20 per 1000.
Steel Setter—Each \$1.95.

Above Prices are F.O.B. Canton

OKRA or GUMBO

1 ounce will sow 50 ft. of row

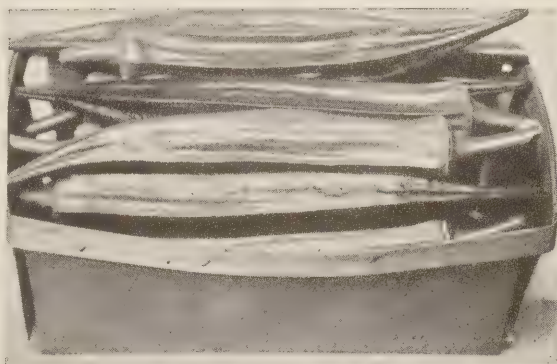
Clemson Spineless. Very uniform, rich green, long podded spineless strain. Plants medium height.

Dwarf Green Perkins Spineless. 50 days. Early and prolific dwarf variety with large dark green pods.

Either Variety—Pkt. 10c, oz. 15c, 1/4 lb. 45c, lb. \$1.40.

Pickle and Melon Dust

Protects vine crops from Insects and Disease. Use it on your melons.



Okra, Clemson's Spineless

ONIONS

To Produce Mature Bulbs. Sow the seed in fine, rich, well drained soil, just as early as soil can be worked, the earlier the better. Sow in rows 12 to 15 in. apart covering seed about $\frac{1}{2}$ in. deep. $\frac{1}{2}$ oz. will sow a 100 ft. row, 4-5 lbs. per acre. Thin plants to stand 2 in. apart.

For Green Onions. Sow seed more thickly and pull to eat soon as required size.

From Plants. The largest bulbs of the Sweet Spanish type are produced by setting out early, plants shipped in from the south, or you can raise plants by starting seed indoors. For big bulbs, space the plants 4 in. apart.

From Sets. The bottom sets may be used for growing "green" onions or for big bulbs. To develop big bulbs the smaller sets are used, planted about 1 in. deep, spaced 3 in. apart. For green onions plant 2 in. deep and 1 in. apart.

YELLOW HYBRID ONION

Yellow Hybrid Y40. Especially valuable because of the high yields and uniformity of the bulbs. The percentage of US No. 1 Onions runs way ahead of other varieties. Yellow Globe type, mild and sweet.

Pkt. 25c, $\frac{1}{4}$ oz. 60c, $\frac{1}{2}$ oz. \$1.10, oz. \$2.00.

Standard Yellow Varieties

Sweet Spanish, Utah Strain. 110 days. The best of the large Spanish type Onions. Its bright golden yellow color, excellent mild flavor and good keeping qualities make it very desirable.

Pkt. 10c, $\frac{1}{2}$ oz. 35c, oz. 60c, $\frac{1}{4}$ lb. \$1.90.

Southport Yellow Globe (Brigham Strain). 109 days. A late sort, valued because of its superior keeping qualities. Deep globe shaped, firm fine grained flesh.

Pkt. 10c, $\frac{1}{2}$ oz. 30c, oz. 50c, $\frac{1}{4}$ lb. \$1.50.

Early Yellow Globe. 98 days. Earliest yellow globe, yet a good keeper.

Pkt. 10c, $\frac{1}{2}$ oz. 30c, oz. 50c, $\frac{1}{4}$ lb. \$1.50.

Ohio Yellow Globe. 110 days. Medium size globe onion slightly flattened at base.

Pkt. 10c, $\frac{1}{2}$ oz. 30c, oz. 50c, $\frac{1}{4}$ lb. \$1.50.

Yellow Globe Danvers. 110 days. A very popular variety. A good keeper.

Pkt. 10c, $\frac{1}{2}$ oz. 30c, oz. 50c, $\frac{1}{4}$ lb. \$1.50.



ONION SETS

Yellow Ebenezer—White Portugal
Either lb. 25c. Ask for quantity price.
If wanted by mail, add 5c per lb.



Southport Yellow Globe

Finest White Onions

White Sweet Spanish. 110 days. Largest white onion, with clear white globe shaped bulbs and firm mild flesh. Fair keeper.

Pkt. 15c, $\frac{1}{2}$ oz. 40c, oz. 75c, $\frac{1}{4}$ lb. \$2.10.

Southport White Globe. 110 days. Our strain of this standard mild white globe is unexcelled.

Pkt. 10c, $\frac{1}{2}$ oz. 35c, oz. 60c, $\frac{1}{4}$ lb. \$1.90.

White Portugal (Silverskin). 100 days. All-purpose variety, for sets, pickling, green bunching and storage. Bulbs medium size, fine grained, mild.

Pkt. 10c, $\frac{1}{2}$ oz. 30c, oz. 50c, $\frac{1}{4}$ lb. \$1.50.

Nebuka, Evergreen White Bunching. A bulbless bunching variety, grown for its very long, pure white stems. The finest for green onions.

Pkt. 10c, $\frac{1}{2}$ oz. 30c, oz. 55c, $\frac{1}{4}$ lb. \$1.75.

LEEK ONIONS

$\frac{1}{2}$ oz. to 100 ft. row

Plants have long fleshy stalks instead of bulbs. Excellent for soups and salads. Sow in early Spring, thinning out to 3-4 inches apart.

Large American Flag. An early popular sort.

Pkt. 15c, $\frac{1}{2}$ oz. 35c, oz. 60c.

ONION PEST CONTROL

Thrips. Spray or Dust with DDT.

Onion Maggots. Chlordane has given excellent control in many cases. Ask for detailed information.

For Weed Control. Use Aero Cyanate.

PEANUTS

Improved Virginia Jumbo. A large prolific and easily grown variety.

Improved Spanish. A rather small early variety, of superior sweetness and flavor.

Either—Pkt. 15c, $\frac{1}{2}$ lb. 40c, lb. 70c.

PEPPERS

One ounce will produce 1,000 to 1,500 plants

Sow the seed in hotbed or window box about March 1. Transplant to the open ground when all danger of frost is past. Set plants in rows 3 ft. apart, 2 ft. apart in the row.

THE SWEET or MILD PEPPERS

By Many Called "Mangoes"

California Wonder. 75 days. Most popular of all mild peppers. The plants are vigorous and productive. Fruits are mostly 4 lobed upright, very attractive, smooth and uniform. Deep green changing to crimson. The flesh is very thick, sweet, and mild.

Early Calwonder. 69 days. An early strain of California Wonder especially valuable when a week means extra money. Fruits slightly smaller but just as desirable and extremely uniform.

Golden California Wonder. Has the good qualities of California Wonder, but turns to rich, golden yellow. The best yellow sweet pepper.

Pkt. 15c, ½ oz. 65c, oz. \$1.15, ¼ lb. \$3.50.

Hungarian Sweet or Banana. 65 days. A mild sweet strain of the Long Hungarian type.

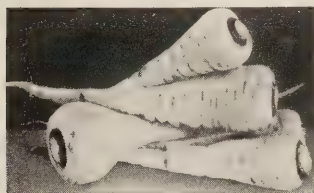
Pkt. 15c, ½ oz. 65c, oz. \$1.15, ¼ lb. \$3.50.

Pimento. 73 days. Plants large, erect and prolific. Fruits heart shaped, very smooth, with thick sweet flesh. Green changing to crimson.

Ruby King. 68 days. Fine home and market garden variety. Fruits large, 5-5½ in. long and 3-4 in. across shoulders, tapering. Flesh thick and mild.

Sunnybrook. 73 days. Smooth tomato shaped fruits with thick mild flesh.

Price All Peppers, except as noted, Pkt. 15c, ½ oz. 60c, oz. \$1.00, ¼ lb. \$3.00.



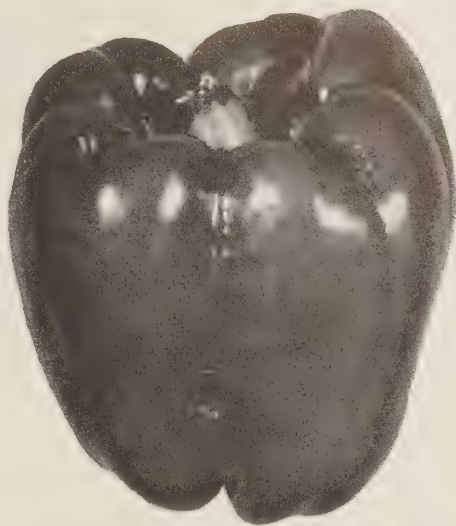
PARSNIP

½ ounce
will sow a
100 ft. row.

Sow as early in the spring as weather will permit, in drills 18 inches apart and ½ inch deep, in a rich, deep soil; thin out to 3 inches apart in the rows. The quality of the roots is improved by hard frost.

Harris Model. Clear white roots without stringiness and with little core. Shorter than Hollow Crown and with wider shoulders.

Improved Hollow Crown. The most popular variety. Either—Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. \$1.80.



Pepper, California Wonder

THE "HOT" PEPPERS

Hungarian Wax. 65 days. An early, hot sort. Plants dwarf and medium, slender, smooth, tapering fruits. Fruits waxy yellow changing to crimson.

Hungarian Short Rainbow Wax. 60 days. A shorter blockier type not as hot as Hungarian Long, and known also as Bulgarian or Roumanian. Upright fruits of waxy yellow color changing to bright red when ripe. Our own select stock.

Pkt. 15c, ½ oz. 70c, oz. \$1.25, ¼ lb. \$3.75.

Long Red Cayenne. 70 days. A hot pepper about 5 inches long. Fruits narrow, tapering, often twisted, changing to red.

Price All Peppers, except as noted, Pkt. 15c, ½ oz. 60c, oz. \$1.00, ¼ lb. \$3.00.

PARSLEY

½ ounce will sow 100 feet of row

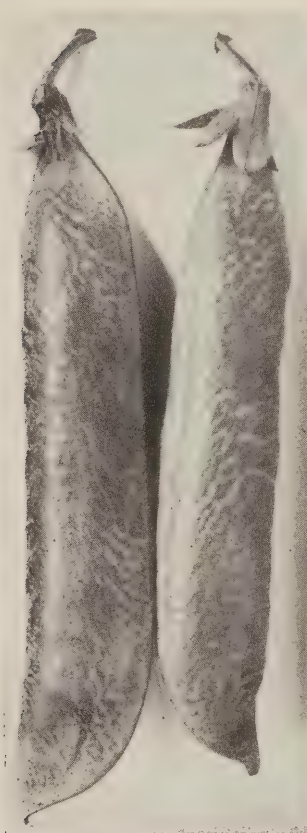
Sow the seed as early in the spring as the ground can be prepared, cover ½ inch deep, with the fine soil pressed firmly down, allowing 18 inches to 2 feet between rows. Thin out plants when large enough to stand 4 to 6 inches apart. Parsley seed is very slow to germinate. Some growers soak the seed in luke-warm water a few hours before sowing.

Paramount Moss Curled. A most desirable sort for market and home use. Very dark green with triple curled leaves. Tall with stout stems for bunching.

Plain. Bright green with flat leaves.

Hamburg Rooted. Forms thick, fleshy, edible roots 8-10 inches long, used for flavoring.

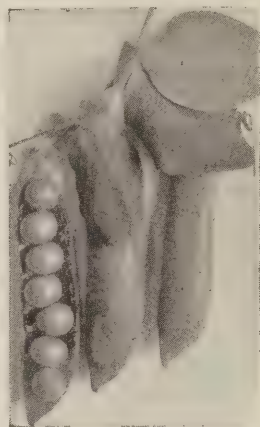
Price Any Parsley Variety—Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. \$1.80.



Multifold



Early Bird



Little Marvel

PEAS

Plant March through May. 1 lb. plants 75 ft. row

Peas are essentially a cool weather crop so make your first plantings as soon as the soil can be worked. Later plantings up to May 15th usually give a good crop if hot dry weather does not come too early. A planting in mid-August can usually be depended upon to give a good fall crop. Plant the seed in trenches 2 to 3 inches deep, the later plantings even deeper, and then gradually cover as the plants grow. Space the rows 2 to 2½ ft. apart for dwarf varieties and 2½ to 3 ft. apart for tall varieties.

SMOOTH SEED, EXTRA EARLIES

Alaska. 57 days. 28 in. Pods are small but very freely borne and are well-filled with small sweet peas.

¼ lb. 15, ½ lb. 20c, lb. 35c, 2 lbs. 65c, 5 lbs. \$1.50.

Early Bird. 61 days. 16 in. Pods are large for an early variety and are tightly filled with good sized peas. Excellent cropper.

¼ lb. 15c, ½ lb. 25c, lb. 45c, 2 lbs. 85c, 5 lbs. \$2.00.

Early Dwarf Varieties

Little Marvel. 64 days. 18 inches. A great favorite because of high quality and because it is a sure big cropper. Pods 3 inches long, very plump and well-filled with 7 to 8 tender peas.

Notts Excelsior. 62 days. 20 inches. Pods very freely borne, average 2¾ inches long, tightly packed with 6 to 7 medium sized tender peas.

American Wonder and Premium Gem. Similar to Nott's Excelsior which we consider superior.

Early Dwarf Large Podded

Multifold. 66 days. 24 inches. A large and improved Hundredfold, blight resistant. Large deep green pods, peas of highest quality. For quick freezing, shipping or general garden use.

Laxton's Progress. 62 days. 16 inches. Largest podded of the dwarf varieties and extremely attractive for home or market garden. Pods are long (about 4½ inches), very broad, curved and pointed and contain 7 to 9 large very sweet peas.

Laxtonian Improved. 63 days. 18 inches. Beautiful large podded dwarf of excellent quality. Plants and pods are dark green, broad, slightly curved and pointed, about 4½ inches long filled with 7 to 8 large peas.

Hundredfold—Peter Pan—Blue Bantam. These varieties are similar to our Laxtonian Improved.

Early Tall Peas

Yield better if the vines are given support.

Freezonian. 63 days. 30 inches. Bred for freezing quality. This new variety is hardy and wilt resistant. Has good qualities like one parent Thos. Laxton. Heavy blunt, well filled pods.

Thomas Laxton. Improved Dark Podded Strain. 62 days. 36 in. Very valuable for home or market garden and for canning or freezing. Bears tremendously and pods are large and well filled with peas of excellent quality.

Edible Podded Peas

These varieties have all the sweetness and flavor of fresh green Peas. When the pods are partly filled, they are prepared like snap beans; when the seeds have developed, they are eaten shelled.

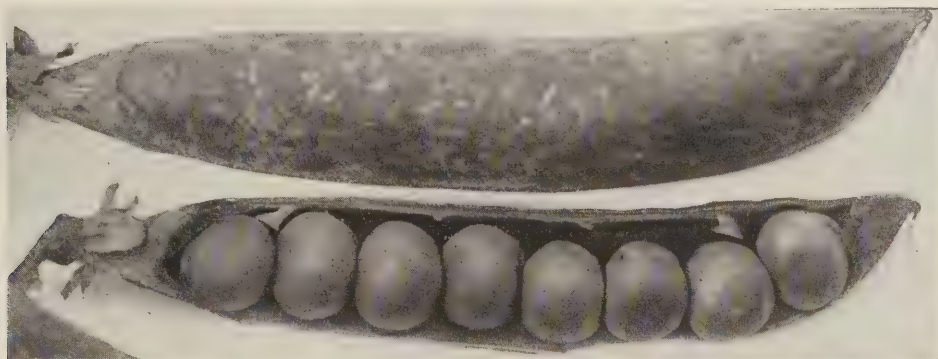
Dwarf Gray Sugar. 65 days. 28 in. Pods broad and curved. Seeds small, gray.

Mammoth Melting Sugar. 74 days. 54 inches. Large, brittle, stringless pods free from fiber. Seeds large, cream colored.

Black Eye Peas

The best of the type for northern gardens.
½ lb. 25c, lb. 45c, 2 lbs. 85c, 5 lbs. \$2.00.

PRICES—All Peas Except as Noted—¼ lb. 15c, ½ lb. 25c, lb. 45c, 2 lbs. 85c, 5 lbs. \$2.00,



Our Alderman or Dark Podded Telephone

MID-SEASON AND LATE PEAS

Alderman, Imp. Telephone. 74 days. 60 in. Best of the late tall peas for home gardens, shipping or freezing. Resistant to wilt. Pods $4\frac{1}{2}$ to 5 inches, filled with 8 to 10 sweet peas.

Dwarf Telephone. 76 days. 24 in. A productive variety, resistant to Fusarium Wilt. Plants are light green, with curved, broad pods containing 8-10 peas of fine quality.

Everbearing. 76 days. 28 in. A long bearing variety popular for the home garden. Pods are double, light green, blunt, contain 4-5 large, sweet peas.

Asgrow No. 40. 74 days. 28 in. High quality late pea. Plants dark green, vigorous and wilt resistant. Pods long, pointed, curved at tip, containing 8 to 10 large peas. We suggest No. 40 instead of Potlatch or Stratagem.

Prices All Above Peas— $\frac{1}{4}$ lb. 15c, $\frac{1}{2}$ lb. 25c, lb. 45c, 2 lbs. 85c, 5 lbs. \$2.00

PUMPKIN

Plant May and June. One oz. plants 15 to 20 hills.

Pumpkins will grow almost anywhere, but thrive best in rich soil. Plant in hills 8 to 10 feet apart, using 8 to 10 seeds to a hill. Plant seed 1 inch deep. Later thin to 2 or 3 plants to a hill.

Small Sugar or Pie. 108 days. The best for general use. Small size, averaging about 10 inches in diameter, of excellent keeping qualities. Flesh thick and very sweet.

Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

Green Striped Cushaw. 112 days. Early and very prolific crook-necked sort. Creamy white with green stripes with yellow flesh.

Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

Orange Winter Luxury. 100 days. An early prolific variety for the home garden. Fruit somewhat larger than Small Sugar, round, slightly flattened, deep orange color. Flesh is deep orange, thick, and very sweet.

Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

King of Mammoth. 120 days. The largest of all pumpkins. Grown chiefly for stock feeding and exhibition purposes.

Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 70c, lb. \$2.25.

LEATHERMAN'S SEED QUALITY

Is evident by the strong vitality and uniformity of variety type. Your crops are better, yet costs are lower when you plant that kind of seed. Your order is welcome.

Connecticut Field. 118 days. A cornfield variety. Large round, orange fruits with flattened ends. Used for pies or stock feed.

Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.



Small Sugar Pie Pumpkin



White Icicle



Sparkler



Scarlet Globe, Short Top

RADISH

Make several plantings, early and late. 1 oz. sows 100 ft. row.

Radishes should grow quickly which means a rich not too heavy soil. Do not use manure as fertilizer. Make first plantings as early as soil can be worked fine and plant more at 10 day intervals for a succession. Early varieties reach edible stage in 4 to 5 weeks. Plant in rows 12 to 18 inches apart covering about $\frac{1}{2}$ inch and thin out to stand 1 inch apart.

Cherry Belle. Early round, bright scarlet radish, which stays crisp and firm days longer than other radishes that grow so quickly.

Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.80.

Cavalier. 23 days. A short topped somewhat elongated or olive globe type. Roots uniform and deep scarlet. Favorite for market.

Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Crimson Giant. 28 days. Grows twice the size of other forcing varieties, and stands longer without becoming pithy.

Early Scarlet Globe. 23 days. Most popular of all. Roots are globe-shape, slightly oblong, uniform, in size, shape, and attractive bright scarlet color; flesh white, crisp, tender and mild.

French Breakfast. 25 days. Olive shaped about $1\frac{1}{2}$ inches long, deep scarlet with white tip.

Long Scarlet, Short Top. Roots smooth, uniform, 5-6 inches long, tapering, with crisp flesh.

Prices All Varieties Except as Noted—Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.35.

Sparkler (Scarlet Turnip White Tip). 26 days. Very attractive and popular. Almost globe shaped; carmine-red with distinct white tip; tender flesh.

White Icicle. 27 days. Finest and earliest long white variety, waxy white, brittle, mild and delicious flavor; retains its good qualities long after maturity.

Winter Varieties—Sow in August

Chinese Rose Winter. 52 days. Large size, blunt at both ends. Skin deep rose, flesh crisp, slightly pungent.

Chinese White Winter. 60 days. Larger and milder than Chinese Rose.

Long Black Spanish. 58 days. Roots 7 to 8 inches long, 2 to 3 inches thick at shoulder. Skin black, flesh white, firm and very pungent.

Round Black Spanish. 56 days. Roots globe shaped, 3-4 inches in diameter, skin black, flesh white.

Prices All Varieties Winter Radish—Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.80.

SPECIAL FORCING OR MUCK GROUND STRAINS OF RADISH

Short Top Special Scarlet Globe. 23 days. Roots uniformly round with short strong tops.

Short Top White Icicle. 27 days. An extra select strain.

Prices Either Above Varieties—Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

SALSIFY

Oyster Plant

Salsify is a delicious vegetable, surpassing in flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. Roots for winter use should be lifted in the fall, while those for early spring use may be left in the ground over winter. Sow early in spring as it requires the full season to mature.

Mam. Sandwich Island. Long, smooth, tapering uniform roots of delicate flavor.

Pkt. 10c, $\frac{1}{2}$ oz. 35c, oz. 60c.

SWISS CHARD

One ounce to 100 ft. of row

Sow early in spring in rows 18 inches apart and thin out to stand 8 inches apart in the row. The larger outer leaves are removed for use, and if too many are not taken at one time, the plants will continue to bear until late fall. The leaves are cooked like spinach. The thick mid ribs are excellent served like Asparagus.

Lucullus. 50 days. Thick crumpled light green leaves with pale green thick stems and midribs.

Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Rhubarb Chard. New attractive variety with deep green very crumpled leaves and crimson stem and ribs.

Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

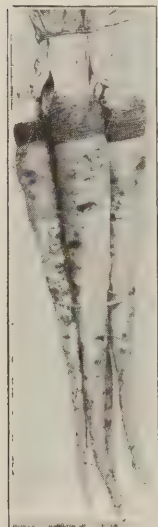




Table Queen



Butternut

Improved Hubbard
Our Strain is Very Fine

SQUASH

Plant late May and June

Summer or Bush varieties 1 oz. to 100 hills.

A good rich sandy loam is best. Plant when soil is warm and frost danger past. Summer varieties plant in hills 3 to 4 ft. apart each way. Plant 8 to 10 seeds per hill, thinning out to 3 good plants.

SUMMER OR BUSH VARIETIES

The Italian Marrow Type

These varieties are especially delicious when used in the "baby stage." Slice and fry them when small to appreciate their best flavor. When kept picked the vines bear all season.

Cozini. 48 days. Early and very prolific new variety with straight smooth, dark green fruits. Flesh firm, remaining edible over a long period. Has fine cooking quality and flavor.

Pkt. 10c, oz. 25c, 1/4 lb. 75c, lb. \$2.40.

Black Zucchini. 62 days. Fruits are cylindrical, long, smooth, dark green-black; flesh greenish white at eating stage and of good flavor.

Cocozelle, Long. 65 days. Fruits long, cylindrical, and are best for the table when 6-8 inches long. Skin dark green changing to stripes of green and yellow as it ripens. Flesh thick, greenish white and good flavor.

Standard Summer Varieties

Yankee Hybrid. 50 days. Produces edible size squash earlier than any other variety and gives an excellent total yield. Clear waxy yellow, similar in size and appearance to Early Prolific Straightneck. Very good quality.

Pkt. 15c, 1/2 oz. 35c, oz. 65.

Early Prolific Straightneck. 50 days. A very attractive strain, straight, early and very prolific. Fruits usable from the time they are 5 or 6 in. long until full grown at about 14 inches. Light yellow and smooth.

Early Yellow Summer Crookneck. 52 days. A fine summer variety, very prolific.

Early White Bush Scallop (Patty Pan). 52 days. An old favorite. Fruits creamy-white, round, flat and scalloped.

Prices All Summer Squash Except as Noted—
Pkt. 10c, oz. 25c, 1/4 lb. 75c, lb. \$2.40.

WINTER OR VINING VARIETIES

2 ounces will plant 25 hills. Space hills 6 to 8 ft.

The Acorn or Table Queen Group

Acorn or Table Queen. 85 days. Fruits 6-8 inches in diameter. Sides ridged. Skin deep green. Flesh deep yellow, thick, dry and sweet.

Royal Acorn. 90 days. Fruits average a third larger than regular Acorn.

Uconn. 75 days. Fruits similar to Acorn, but smaller, on a bush type plant, permitting close planting.

Pkt. 10c, oz. 30c, 1/4 lb. 90c, lb. \$2.75.

Butternut. 90 days. Many consider this the finest quality of all squashes. Flesh is dry and sweet and considering the size the edible portion is large, a small seed cavity in the bulb end only.

Pkt. 10c, oz. 30c, 1/4 lb. \$1.00, lb. \$3.00.

Green Delicious. 102 days. Top-shaped fruits, 7-8 lb. Skin dark green, with light green stripes toward blossom end; flesh orange, dry, of good flavor. An excellent keeper.

Golden Delicious. 100 days. Fruits similar to green in shape and size but golden orange in color.

Hubbards, Favorite Winter Squashes

Blue Hubbard. 110 days. Large, round, and pointed at both ends. Flesh yellow-orange, thick, said to be the best of the Hubbards in eating quality.

Green Hubbard, Improved. 105 days. Standard winter variety. Skin dark bronze green, slightly warted. Flesh bright orange, dry and sweet.

Golden Hubbard. 100 days. Skin is orange red and heavily warted. Flesh deep golden yellow, fine grained and sweet.

Price Winter Varieties, Except as Noted—
Pkt. 10c, oz. 30c, 1/4 lb. 90c, lb. \$2.75.

To Control Beetles and Borers

Spray or Dust with Methoxychlor or Rotenone.



Spinach, Bloomsdale Type

TURNIP

One ounce to 150 ft. of row.

1 lb. to the acre in drills, 2 lbs. broadcast.

For succession sow at intervals from April until the last week in May. For fall and winter crops sow in July or August, in drills or broadcast.

Snowball. 40 days. Medium sized, round, white crisp root. Reaches edible size quickly.

Pkt. 10c, oz. 15, ¼ lb. 45c, lb. \$1.40.

Purple Top White Globe. 57 days. The most popular variety for home and market gardens. Roots large, smooth, globe, white with purple top.

Pkt. 10c, oz. 15c, ¼ lb. 45c, lb. \$1.40.

Purple Top Strap Leaved. 46 days. A medium early variety with flattened roots.

Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

Seven Top. Grown for the greens.

Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

RUTABAGA or SWEDE

Rutabagas are best grown in cool weather, planted in the same manner as turnips, for fall use, but about 2 weeks earlier, in July.

American Purple Top Yellow. 90 days. The most popular variety for home or market gardens. Roots are large, globular, yellow with purple top. Flesh light yellow, firm, and of good quality.

Pkt. 10c, oz. 15c, ¼ lb. 45c, lb. \$1.40.

Root Maggots on Turnips-Radish

May be controlled by dusting soil around plants with Chlordane. See complete Insecticide pages in this catalog.

SPINACH

One ounce sows 100 ft. of row. 10 lbs. per acre

Spinach does best in the cool months and in rich moist soil. Make first sowing as soon as the soil can be prepared, repeat at 10 day intervals to May 15th for a succession. For fall use sow in September. Sow in rows about a foot apart, cover one inch and thin to stand 6 inches apart in the rows.

New Spinach America

All-America Silver Medal for 1952

Planted with early varieties America extends the cutting season, standing the sun and heat better, giving much heavier crops. Leaves are attractive deep glossy green, thick and crumpled. Ready to cut in about 50 days.

Pkt. 10c, oz. 20c, ¼ lb. 40c, lb. \$1.20.

Bloomsdale, Extra Dark Green. 40 days. The Bloomsdale strains are all vigorous, hardy, fast growing varieties with desirable thick crumpled leaves. This is an extra dark green selection.

Bloomsdale, Long Standing. 42 days. Though only a couple of days later, this strain holds for 10 days longer before going to seed.

King of Denmark. 46 days. Large plants with broad, slightly crumpled, dark green leaves. Popular for spring planting, being slow to bolt.

Nobel Giant Thick Leaved. 45 days. Best of the smooth, thick leaved sorts. Plant vigorous and spreading, heavy yielding and slow to go to seed.

Old Dominion. 40 days. Thick crumpled leaves similar to Bloomsdale Savoy, with long standing characteristic. Excellent for fall crop or for spring crop from fall planting.

Virginia Savoy, Blight Resistant. 40 days. Improved strain with deeper green, thickly crumpled leaves. Upstanding plants.

Prices All Above Except America—Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. 90c.

New Zealand, Tetragonia. 70 days. Not a true spinach but its small pointed leaves when cooked have the flavor of spinach. Thrives in summer without going to seed and forms new leaves after picking. Soak seed before planting.

Pkt. 10c, oz. 20c, ¼ lb. 40c, lb. \$1.20.

TOMATOES FROM SEED

One ounce of seed will produce 2500 plants

Tomato plants are usually set into the garden in late May or June. Earlier plantings are exposed to the danger of late frosts although protection by the use of Hotkaps is good insurance. Some gardeners prefer to take a chance on the frost in order to get some extra early tomatoes. It requires about 8 weeks from seed to produce plants large enough to set in the field. March is the usual time to start seeds in hotbeds or window boxes indoors. When 2 inches high transplant to flats 4 inches apart or in 3-inch pots. Transplant to open ground when danger of frost is past spacing 3 to 4 feet apart. Trained to stakes the fruits are of better quality and appearance and ripen earlier and more uniformly.

TOMATOES

One oz. produces 2000 to 2500 plants

See preceding page for suggestions on starting seed

New Hybrid Tomatoes

Stokescross No. 4. 80 days. Early main crop, medium size, smooth tomato, 10 days ahead of Rutgers in ripening. It bears fruit over a long season, so excellent for home gardeners.

Pkt. 25c, $\frac{1}{4}$ oz. \$1.00, oz. \$3.00.

Burpee Hybrid. 76 days. Main crop variety noted for its meaty flesh of rich flavor and heavy production. Fruits medium size, deep globe shaped, scarlet.

Pkt. (30 seeds) 35c, 3 pkts. 90c, $\frac{1}{16}$ oz. \$4.00.

EARLY RED VARIETIES

Sioux, New Extra Early Red

Sioux gives you fruit to eat or sell in 70 days and the whole crop is ready very uniformly. It is of medium size, nearly globular, thick walled and practically free from hard core. Excellent flavor. The best if you want "first earlies" for your own table, and of course, gets early market prices.

Pkt. 15c, $\frac{1}{4}$ oz. 40c, $\frac{1}{2}$ oz. 70c, oz. \$1.20.

Victor. 66 days. Valuable extra early, especially for market, as the crop ripens largely at the same time. Plants open. Fruits bright scarlet.

Earliana Improved. 66 days. Bred for thicker, smoother fruits.

Break O' Day. 70 days. Fruits medium large, meaty and globe shaped. Has considerable resistance to wilt and nail-head rust. Open spreading plants.

Valiant. 70 days. Fruit large for an early variety, globe-shaped and ripens up well. Very valuable for early market. Plants open and spreading.

Bonny Best. 73 days. Fruits medium size, smooth, and excellent quality.

Wisconsin No. 55. 73 days. A tremendous yielder, beating such well-known varieties as Stokesdale and John Baer. Larger and heavier also. Gardeners say it is the equal to Rutgers quality.

Prices All Above Varieties—Pkt. 10c, $\frac{1}{4}$ oz. 35c, $\frac{1}{2}$ oz. 60c, oz. \$1.00. Except Sioux.

MAIN CROP AND LATE REDS

Pritchard. 76 days. Fruits are good size, smooth, solid with thick walls. Plant self-topping, resistant to Fusarium wilt and rust.

Pkt. 10c, $\frac{1}{4}$ oz. 35c, $\frac{1}{2}$ oz. 60c, oz. \$1.00.

Marglobe Certified. 77 days. Very popular main crop variety for shipping, canning, and home garden. Fruit medium large, globe shaped, smooth, solid with thick walls. Flavor mild with little acid. Resistant to disease.

Pkt. 10c, $\frac{1}{4}$ oz. 35c, $\frac{1}{2}$ oz. 60c, oz. \$1.00.

San Marzano. 80 days. A small fruited Italian variety with very mild flavor. Largely used for canning, puree, and preserves.

Pkt. 15c, $\frac{1}{4}$ oz. 60c, $\frac{1}{2}$ oz. \$1.10, oz. \$2.00.



Our Certified Marglobe

Certified Rutgers. 86 days. A heavy cropper. Fruits globular, bright red, smooth, with thick walls and small seed cells. Ripens from the inside out. Fine flavor with low acid content.

Pkt. 10c, $\frac{1}{4}$ oz. 35c, $\frac{1}{2}$ oz. 60c, oz. \$1.00.

Beefsteak. 90 days. Popular home garden main crop scarlet variety. Fruits extra large, flattened and fine quality. Contains few seeds.

Pkt. 15c, $\frac{1}{4}$ oz. 40c, $\frac{1}{2}$ oz. 75c, oz. \$1.40.

PINK OR PURPLE VARIETIES

Italian—Non Acid. 80 days. This is the genuine large deep meaty fruited tomato with very few seeds and practically no acid in its flavor. We produce our own seed of this strain and it's good.

Pkt. 20c, $\frac{1}{8}$ oz. 55c, $\frac{1}{4}$ oz. \$1.00, oz. \$3.00.

Oxheart. 90 days. Large heart shaped fruits, very solid and meaty, mild, with very few seeds.

Pkt. 15c, $\frac{1}{4}$ oz. 50c, $\frac{1}{2}$ oz. 90c, oz. \$1.75.

Ponderosa. 88 days. Most popular of the large late pink varieties. Fruits very solid, somewhat rough, with tendency to crack, few seeds and of inviting mild flavor.

Pkt. 10c, $\frac{1}{4}$ oz. 40c, $\frac{1}{2}$ oz. 70c, oz. \$1.20.

Yellow Fruited Variety

Jubilee. 72 days. The best yellow. Fruits are bright orange-yellow, globular, thick-walled, with few seeds. Flavor is somewhat mild but not flat.

Pkt. 15c, $\frac{1}{4}$ oz. 40c, $\frac{1}{2}$ oz. 70c, oz. \$1.20.

"Blossom-Set" for Tomatoes

Sprayed on the blossom means earlier, meatier and more fruits. Use it this year.

4 oz. Bottle (Makes 1 Gal.) 75c, Pt. \$1.75.

LETHERMAN'S VEGETABLE PLANTING CHART

Distance apart, especially the space between rows, of course is variable. Those with only a very limited space plant rows closer than where room is unlimited. Method of cultivation also effects the spacing. Dates of planting depend somewhat on the particular season, the location and the type of soil.

Kind	Plants from 1 oz.	Seed for 100 ft. Row	Seed per Acre	Thin to or Plant Apart in Rows	Dates to Plant
Beans, Bush		1 lb.	60 lbs.	2 to 3 in.	May through July
Beans, Lima		1 lb.	60 lbs.	4 to 6 in.	Late May-June
Beans, Pole		½ lb.	30 lbs.	Hills 3 ft. apart	May-June
Beet, Table		1 oz.	10 lbs.	3 to 4 in.	April to July
Beet, Mangel		1 oz.	5 lbs.	5 to 6 in.	April to June
Broccoli	3000		4 oz.	18 to 24 in.	April-June
Brussels Sprouts	2500		4 oz.	18 to 24 in.	Mar.-Apr. June-July
Cabbage	3000		4 oz.	1½ ft.	April-July
Carrot		½ oz.	3-4 lbs.	2 to 2½ in.	Late Apr. through June
Cauliflower	2000		6 oz.	18 to 24 in.	Late Apr. to July
Celery	10000		2-4 oz.	6 to 8 in.	Mar.-Apr. inside
Chicory		½ oz.	4 lbs.	3 to 4 in.	May-June
Corn, Pop		½ lb.	6 lbs.	5 to 6 in.	May-June
Corn, Sweet		½ lb.	12 lbs.	9 to 10 in.	May to July 1
Cucumber		½ oz.	2 lbs.	1 to 3 ft.	May-July
Dill		½ lb.	5 lbs.	6 in.	May-June
Egg Plant	2000		8 oz.	18 to 24 in.	March inside
Endive		1 oz.	2-3 lbs.	8 in.	Apr. June-July
Kale		½ oz.	2-4 lbs.	18 to 24 in.	Apr.-June
Kohl Rabi		½ oz.	2-4 lbs.	4 to 6 in.	Apr.-June
Leek		½ oz.	4 lbs.	3 to 4 in.	Apr.-May
Lettuce		½ oz.	2-3 lbs.	4 to 12 in.	Apr.-May August
Melon, Musk	1 oz. to	100 hills	2-3 lbs.	2 to 3 ft.	May-June
Melon, Water	1 oz. to	25 hills	3-4 lbs.	4 to 6 ft.	May-June
Okra		2 oz.	8 lbs.	18 to 24 in.	Late May-June
Onion		½ oz.	4-5 lbs.	2 to 4 in.	Apr.-May
Onion (for sets)		½ oz.	4-5 lbs.	2 in.	Apr.-May
Parsnip		½ oz.	4 lbs.	3 in.	Apr.-May
Parsley		½ oz.	3 lbs.	4 to 6 in.	Apr.-May
Peas, Garden		1¼ lb.	90-120 lbs.	1 to 2 in.	Mar.-May Aug.
Pepper	1500		8 oz.	18 to 24 in.	Mar. 1 inside
Pumpkin	1 oz. to	20 hills	3-4 lbs.	3 to 4 ft.	May-June
Radish		1 oz.	10-12 lbs.	1 in.	Apr.-July
Rutabaga		¾ oz.	2-3 lbs.	3 to 4 in.	May-July
Salsify		1 oz.	8 lbs.	3 to 4 in.	Apr.-June
Spinach		1 oz.	10 lbs.	6 in.	Apr.-May Sept.
Squash, Summer	1 oz. to	25 hills	4 lbs.	3 to 4 ft.	Late May-June
Squash, Winter	1 oz. to	15 hills	2 lbs.	3 to 4 ft.	Late May-June
Swiss Chard		1 oz.	10 lbs.	8 in.	Apr.-July
Tomato	2500		2-3 oz.	3 to 4 ft.	March inside
Turnip		¾ oz.	1½-3 lbs.	3 to 4 in.	Apr.-May July-Aug.

Number of Plants per Acre

If Planted	No. Plants	If Planted	No. Plants
12 x 12 in.....	43,560	36 x 24 in.....	7,260
12 x 18 in.....	29,040	36 x 36 in.....	4,840
18 x 18 in.....	19,360	48 x 24 in.....	5,445
18 x 24 in.....	15,520	48 x 36 in.....	3,630
24 x 24 in.....	10,890	48 x 48 in.....	2,723
30 x 12 in.....	17,424	60 x 60 in.....	1,743
30 x 24 in.....	8,712	8 x 3 ft.....	1,815
36 x 12 in.....	14,520	8 x 8 ft.....	680

Feet of Row per Acre
at Given Distances

Distance Between Rows	Feet of Row
18 in.....	29,010
24 in.....	21,758
30 in.....	17,427
36 in.....	14,526
42 in.....	12,439
48 in.....	10,853

Plants or Bulbs Needed For Filling Round Beds

Diameter of Bed	Planted 4 in. apart	Planted 6 in. apart	Planted 12 in. apart	Planted 18 in. apart
6 feet	265	118	30	15
8 feet	460	206	52	25
12 feet	1020	456	115	57
16 feet	1820	810	202	100
18 feet	2290	1020	255	126



Growing Annual FLOWERS FROM SEED

Every home gardener can grow Annuals successfully, most kinds with very little difficulty and without special treatment. And annuals are very generous in the quantities of flowers they provide, both for cutting and for garden display.

When to Sow . . . Annuals

Annual Flowers are usually classified in three groups as to hardiness which of course means the amount of cold weather or frost they can stand. That in turn decides the dates at which it is safe to sow in the outdoor garden.

Of course sowing dates will vary with the season, also the location and type of soil.

Hardy Annuals

The seeds of these varieties and the plants themselves will stand cold soil and frosts. In fact some germinate better when cool.

Alyssum — Anchusa — Antirrhinum — Calendula — Calliopsis — Candytuft — Centaurea Cyanus and Gymnocarpa — Clarkia — Cleome — Convolvulus — Cosmos — Dianthus — Eschscholtzia — Euphorbia Var.—Four O'Clocks—Gaillardia—Gypsophila — Hunnemannia — Kochia — Larkspur — Lupine — Pansy — Petunia Hyb. — Phlox — Poppy — Rudbeckia—Stocks—Sweet Peas.

Half Hardy Annuals

These stand some cold though not heavy freezes.

Ageratum — Asters — Browallia — Carnation — Centaurea Imperialis — Cypress Vine — Dimorphotheca — Helichrysum — Marigold — Mignonette — Nicotiana — Portulaca — Petunia — Sanvitalia — Salpiglossis — Salvia Far.—Scabiosa—Sunflower — Statice—Torenia—Verbena.

Tender Annuals

It is best not to sow the seeds in the outdoor garden until the soil is well warmed up and danger of frost is past.

Amaranthus — Balsam — Celosia — Dahlia — Chrysanthemum — Gourds — Lobelia — Nasturtium — Ipomea — Ricinus — Salvia Splendens — Schizanthus—Tithonia—Zinnia.

Starting Seed Indoors

To prolong the season of bloom many of the types that take a comparatively long time to develop are started indoors for setting outdoors when weather is suitable. Generally speaking the seeds are sown 6 to 8 weeks before planting outdoors. The time of starting depends upon the equipment you have to work with. With a small greenhouse you can, of course, accomplish more than you can with a few boxes in a south window. Some of the long season varieties, usually started inside, are Antirrhinum—Aster—Dahlia—Annual Carnations—Lobelia—Salvia—Verbena.

Soil Preparation

Proper preparation of the seed bed is very important as well as the time of sowing. It is difficult to germinate seed in heavy clay soil so if you have a choice, select locations with sandy loam soil, or lighten up the clay by digging in quantities of peat moss, strawy manure, sand, or even ashes, all materials which tend to loosen up soil so that it does not bake and is much easier to cultivate.

Peat Moss is of great value in all flower gardens. Worked in, it lightens heavy soil and makes sandy soil much better able to hold moisture. A 2 or 3 inch layer of Peat Moss used as a summer mulch will result in better flowers and plant growths by holding the moisture in the soil during dry spells and keeping down weed growth, and it also gives your flower beds a neat, clean appearance.

Hardy Annuals for Fall Sowing

This is done late in the fall just before the ground freezes. The seeds lay dormant over winter making a very early start in the spring. Work the soil fine, just as you would in the spring, sow the seed and after the ground freezes mulch the bed with a layer of straw or peat moss simply to prevent alternate freezing and thawing during the winter. Right over bulb beds is one good place to make fall sowings of early flowering annuals.

Alyssum — Anchusa — Antirrhinum — Balsam — Calendula — Calliopsis — Candytuft — Centaurea Cyanus — Clarkia — Cosmos — Eschscholtzia — Four O'Clocks — Gaillardia — Gypsophila — Kochia — Larkspur — Nigella — Small Flowering Petunias—Shirley Poppy—Phlox—Portulaca.

Annuals for Semi-Shade

Alyssum — Balsam — Candytuft — Centaurea — Clarkia — Coleus — Cynoglossum — Mignonette — Nicotiana—Pansy—Petunia—Verbena.

Three excellent Perennials for semi-shade are Aquilegia, Forget-Me-Not and Viola.

Annuals for Poor Dry Soil

African Daisy — Balsam — California Poppy — Celosia — Calliopsis — Cleome — Four O'Clocks — Gaillardia — Kochia — Marigold — Nasturtium — Petunia—Poppy—Portulaca—Sweet Sultan.

Pick Flowers Frequently

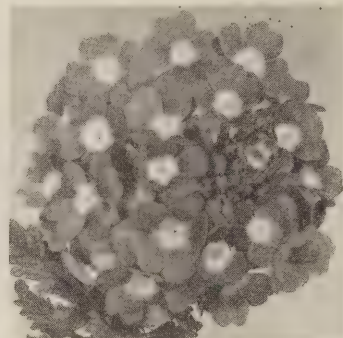
With Annuals it seems that the more you pick, the more flowers are produced. When flowers fade and start to go to seed they take the strength out of the plants and flower production thereby suffers. If you want the flowers for garden display, at least snip off wilted blooms. The bed will be more profuse and cleaner looking.



Zinnia Burpee Hybrid



Marigold Fluffy Ruffles



Verbena Sparkle

NEW FLOWERS FOR YOUR GARDENS

Petunia, Comanche. All-America Selection 1953.
Alyssum, Royal Carpet. All-America Selection 1953.

Marigold, Cupid. One of the best new dwarf varieties.

These three varieties are pictured in color, fully described and priced on the inside front cover.

Aster—Burpeeana

The earliest fully double Aster, good big long stemmed flowers in all the Aster colors.

132 Burpeeana Mixed. Pkt. 25c, $\frac{1}{16}$ oz. \$1.00.

Celosia—Golden Fleece

It is easy to grow these big golden yellow plumed flowers. They make an exceptionally attractive clump in the border.

357 Golden Fleece. Pkt. 15c, $\frac{1}{16}$ oz. 40c.

Cleome—Helen Campbell

This pure white spider plant is very pretty alone or mixed with the soft Pink Queen.

406 Helen Campbell. Pkt. 15c, $\frac{1}{16}$ oz. 35c.

Dwarf Centaurea—Bachelor Button

These nice bushy plants (1 ft. high) are better adapted for borders and beds than the tall Bachelor Button. Just recently a good assortment of colors has been developed and we urge you to try them.

370 Dwarf Gem Mixture. Pkt. 15c, $\frac{1}{8}$ oz. 50c.

Two Fine New Marigolds

Giant Fluffy Ruffles. One of the largest African type Marigolds with exceptionally ruffled, fully doubled flowers of brilliant luminous orange. Blooms of 4 to 5 inches in diameter are not uncommon. Flowers appear 8 to 9 weeks after seed sowing, so you get a long blooming season. The plants are semi-tall (about 20 in.) with full length base branching stems.

841 Giant Fluffy Ruffles. Pkt. 20c, $\frac{1}{16}$ oz. 40c.

Rusty Red. A distinctive shade of red that most observers have been very enthusiastic about. The plants uniformly $1\frac{1}{2}$ ft. high bear the large

fully double flowers all summer and fall.
874 Rusty Red. Pkt. 20c, $\frac{1}{16}$ oz. 55c.

Pansy—Felix

A large flowered characteristically "whiskered" Pansy, the dark veins spreading out over the faces of the flowers. All magnificent Pansy colors are included in this novel and showy mixture.

972 Felix. Pkt. 40c.

More New Petunias

1005 Linda. The very best of the salmon pink Petunias. It is a soft shade that has been so hard to attain. Very uniform in plant growth and colors, flowers larger than most of the dwarf bedding group.

Pkt. 50c, Large Trade Packet \$2.00.

1008 Lipstick. Glowing carmine rose, not red, yet much deeper, more attractive shade than the popular Celestial Rose. It does not fade lighter in the heat of midsummer.

Pkt. 35c, $\frac{1}{32}$ oz. \$1.00.

Verbena—Sparkle

If we could picture this in color you would think it the brightest variety in the catalog. Sparkle is well named, bright red with the outstanding pure white eyes. It is much more compact, uniform in growth and freer to bloom than other Verbenas, really representing an entirely new dwarf compact group of Verbenas.

1385 Sparkle. Pkt. 25c, $\frac{1}{16}$ oz. 60c.

Zinnia—Riverside Beauty

A glowing, salmon pink shade that you will certainly like as a cut flower or in the border. It is one of the large flowered, tall Zinnias with gracefully arranged and twisted petals like the popular Floradale Scarlet and Burpee Hybrids.

1477 Riverside Beauty. Pkt. 20c, $\frac{1}{8}$ oz. 50c, $\frac{1}{4}$ oz. 90c.

1474 Zinnia Burpee Hybrids Mixed. A new Zinnia type with gorgeous coloring, and immense gracefully formed flowers.

Pkt. 20c, $\frac{1}{8}$ oz. 50c, $\frac{1}{4}$ oz. 90c.

Plant Liberally of Letherman's

ANNUAL FLOWER SEEDS

Ageratum, Midget Blue



Balsam



Alyssum, Carpet-of-Snow

**FOR BORDER DISPLAY—FOR BEDDING—FOR CUTTING
FOR EDGINGS—FOR ROCK GARDENS**

Annuals are very generous. The more you cut, the more the plants give.

Ageratum (Floss Flower)

Most popular dwarf blue flowering plants for edgings or borders. Easily grown in any fair garden soil. Excellent for rock gardens.

16 Midget Blue. Finest real dwarf variety. Compact plants only 3 to 4 inches high, covered with soft azure flowers.

Pkt. 20c, $\frac{1}{16}$ oz. 80c.

18 Blue Perfection. Bushy plants 15 to 18 inches tall with good sized deep blue flowers. For the taller edging. Stems long enough for cutting.

Pkt. 10c, $\frac{1}{16}$ oz. 30c, $\frac{1}{8}$ oz. 55c.

19 Blue Ball Improved. Uniformly about 5 inches tall with good sized soft blue flowers.

Pkt. 15c, $\frac{1}{16}$ oz. 60c.

Anchusa

Compact bushy plants with numerous soft blue flowers like Forget-Me-Nots. You will like it for good blue in the border.

54 Blue Bird. Pkt. 10c, $\frac{1}{4}$ oz. 30c.

Balsam (Lady Slipper)

Old favorite for the garden. Richly colored flowers formed like small camellias or gardenias are clustered close along the stems. Easily grown, doing best in rich soil with plenty of moisture.

244 Double Mixed. Pkt. 10c, $\frac{1}{4}$ oz. 35c.

Bean, Scarlet Runner

Popular, quick growing vine with bright red flowers.

250 Pkt. 10c, oz. 20c.

Alyssum for Edgings

The indispensable annual for borders and edgings. Grows well in practically any soil. Likes full sun.

29 Royal Carpet. New rich purple A. A. Winner. See color plate inside front cover.

Pkt. 25c, $\frac{1}{16}$ oz. 65c.

28 Carpet-of-Snow (Procumbens). An excellent strain, very dwarf, each plant a flattened mantle of white.

Pkt. 10c, $\frac{1}{8}$ oz. 25c, $\frac{1}{4}$ oz. 40c, oz. \$1.20.

24 Lilac Queen. Delicate lilac tinted bloom, the color deepening in cooler weather. Quite dwarf.

Pkt. 10c, $\frac{1}{8}$ oz. 20c, $\frac{1}{4}$ oz. 35c, oz. \$1.00.

25 Sweet White. The original Sweet Alyssum, semi-trailing, so nicely suited for hanging baskets and porch boxes, as well as borders.

Pkt. 10c, $\frac{1}{4}$ oz. 20c, oz. 60c.

30 Violet Queen. Very attractive clear violet blue flowers. Dwarf and compact.

Pkt. 10c, $\frac{1}{8}$ oz. 30c, $\frac{1}{4}$ oz. 50c, oz. \$1.50.

Bells of Ireland

A novelty that is distinctively appealing. The plant produces tall stems which are closely set with cups of pale translucent green. Within each cup lies a small, curiously formed white flower. The stems are nice for cutting or may be dried as a strawflower. Sow in full sun in a fairly dry, well drained spot.

265 Bells of Ireland—Pkt. 20c, $\frac{1}{16}$ oz. 75c.

Calliopsis, Annual Coreopsis

295 Golden Crown. Gold and Maroon. Pkt. 10c, $\frac{1}{8}$ oz. 30c.



The Super Giant Type

FINE ASTERS

Start Aster Seed in March or early April indoors for plants to set out in May. For late summer and fall bloom sow seed in the garden when the soil is warm. Work the soil fine and transplant the seedlings when they are large enough to handle easily.

It is better not to grow Asters on the same plot year after year, but change their location each season. Watch Asters closely for insects and spray accordingly. The insects spread disease.

Wilt Resistant Super Giants

The largest and most fully double Asters known. The flowers are almost like chrysanthemums with long graceful petals, blooming late summer and fall on 3 ft. plants.

109 Finest Mixed. Pkt. 20c, $\frac{1}{16}$ oz. 50c.

Early Giant Wilt Resistant

Giants of California type flower, blooms 4 to 6 weeks earlier than Super Giants. Plants $1\frac{1}{2}$ ft.

118 Finest Mixed. Pkt. 20c, $\frac{1}{16}$ oz. 50c, $\frac{1}{8}$ oz. 90c.

Burpeeana Early Asters

The earliest blooming variety with large, fully doubled and rounded flowers resembling the "Beauties." Compact, upright plants carry many long stems branching from the base. They make a grand showing in the garden and are exceptionally nice for cutting.

132 Burpeeana Mixed Colors. Pkt. 25c, $\frac{1}{16}$ oz. \$1.00.

All Types and Colors

190 Letherman's Special Mixed Asters. Made up of all Wilt Resistant Types and colors. Long blooming season both early and late types.

Pkt. 10c, $\frac{1}{8}$ oz. 35c.



American Branching Type

American Branching—Resistant

Most popular type. Robust well-branched plants, free blooming and flowers of fine form. $2\frac{1}{2}$ to 3 ft. tall.

Azure Blue

Crimson

Purple

Deep Rose

Shell Pink

White

174 American Branching Finest W. R. Mixed.

Any Color or Mixed—Pkt. 10c, $\frac{1}{8}$ oz. 45.

Princess Asters—Wilt Resistant

A very attractive new form, the flowers having a full crested center, surrounded by several rows of plume-like guard petals. Plants 2 to $2\frac{1}{2}$ ft. tall, branching habit with good stems. Blooms in August.

197 Princess Mixed. Beautiful soft shades of peach, orchid, salmon, rose and yellow crested.

Pkt. 15c, $\frac{1}{16}$ oz. 40c.

Improved Crego—Wilt Resistant

This is the Comet or Ostrich Feather type of flower with gracefully curled and interlaced petals. Vigorous branching plants.

158 Crego Mixed. Pkt. 10c, $\frac{1}{8}$ oz. 50c.

Early Royals—Wilt Resistant

Best of the early types blooming in August. Plants branching $1\frac{1}{2}$ to 2 ft.

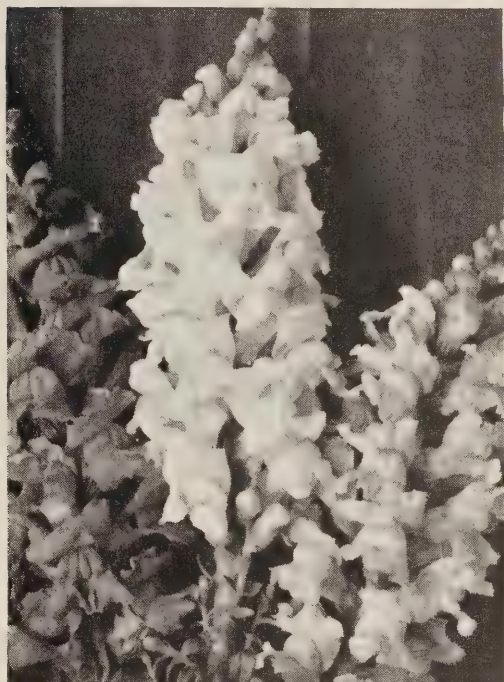
126 Royals Mixed. Pkt. 10c, $\frac{1}{8}$ oz. 40c.

Early Beauty—Wilt Resistant

Large, full double flowers, borne on exceptionally long, strong stems. When cut, the flowers stay fresh in water for a long time. Blooming season early in September.

142 Beauty Mixed. Pkt. 15c, $\frac{1}{16}$ oz. 35c.

THE POPULAR SNAPDRAGONS (*Antirrhinums*)



Giant Tetra Snapdragons

Carnations

Tender perennial, best grown as hardy annuals. For a long season of bloom start seed early inside.

344 Chabaud's Giant Double Improved. Lovely blooms almost like the greenhouse carnations.

Pkt. 15c, $\frac{1}{16}$ oz. 50c.

342 Marguerite Mixed. The carnation that is quickest to bloom after seed is sown. Nice double flowers.

Pkt. 10c, $\frac{1}{8}$ oz. 60c.



Carnation, Chabaud's

BRIGHT CALENDULAS

Everyone likes the Calendulas which are so bright in the garden and so long lasting as cut flowers. Start the seed very early right outdoors and another sowing in mid-summer for fall bloom. They like cool weather for best bloom and are hardy enough for very early spring or even fall sowing.

271 Campfire or Sensation. Fine large double flower of the richest orange with scarlet sheen.

274 Sunshine or Chrysantha. Beautiful form, chrysanthemum flowered. In our experience Sunshine stands the heat better than others, producing more perfectly formed flowers. Clear bright yellow.

Either Above, Pkt. 10c, $\frac{1}{8}$ oz. 35c.

288 Finest Double Mixed. Pkt. 10c, $\frac{1}{4}$ oz. 25c, oz. 75c.

289 Pacific Beauty Mixed. Uniformly large flowers that stand summer heat well, with good strong stems. Unusual soft shades of Apricot, Cream, Lemon and Persimmon orange.

Pkt. 10c, $\frac{1}{4}$ oz. 35c.

Gorgeous For Cutting or Bedding

Being hardy annuals "Snap" seed may be sown early out doors in a prepared bed for later transplanting. Or start the seed indoors in March. As the plants reach 3 to 4 inches tall pinch them back (at least once) to induce branching and sturdy growth.

Giant Ruffled Tetra Snaps

An extremely vigorous, medium tall type with long spikes of large florets.

63 Tetra Mixed Colors. A grand assortment of all shades.

Pkt. 20c, $\frac{1}{16}$ oz. 75c.

Giant Maximum—Rust Resistant

Tall growing, reaching up $2\frac{1}{2}$ to 3 ft. with large long floret spikes. Gives beautiful cut flowers in many rich shades.

64 Giant Maximum Mixed. Pkt. 15c, $\frac{1}{16}$ oz. 45c.

Also available in separate colors, viz: Bronze, Crimson, Deep Rose, Pink, White, and Yellow at 20c pkt.

Super Majestic Snaps

Sturdy, medium, tall plants, ideal for bedding. Large florets of rich coloring.

94 Mixed. Pkt. 15c, $\frac{1}{16}$ oz. 45c.

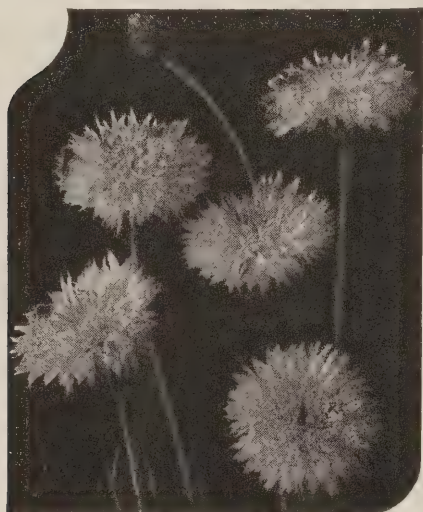
Cardinal Climber

An exceptionally pretty low climber for border fencing, trellises, etc. Rich green leaves deeply lacinated, and flowers of the brightest red.

338 Pkt. 15c, $\frac{1}{8}$ oz. 40c.



Calendula, Campfire



Centaurea Cyanus, Fine for Cutting

Centaurea Cyanus (Bachelor's Button)

We have extra nice, double flowering strains of the popular Bachelor's Button or Cornflower. For the finest flowers, sow the seed directly outdoors even before the frost is out of the ground.

Blue Boy—Blue
Snow Man—White

Pinkie—Pink
Red Boy—Red

Any Color—Pkt. 10c, 1/4 oz. 30c.

364 Finest Double Mixed. Pkt. 10c, 1/4 oz. 25c.

370 Dwarf Gem Mixture. All colors of the compact bushy type. Pkt. 15c, 1/8 oz. 50c.

Centaurea Imperialis (Sweet Sultan)

Beautiful for cutting, the delicate graceful long stemmed flowers, lasting for several days in water.

374 Finest Mixed. Pkt. 10c, 1/8 oz. 25c.

Annual Chrysanthemum

398 Daisy-like flowers in many bright color combinations of white, yellow, gold, mahogany, often bicolored and zoned. Hardy annual growing 15 to 18 inches high. Pkt. 10c, 1/4 oz. 30c.



Candytuft, Giant Hyacinth White



Ostrich Plume Celosia is Magnificent

Colorful Celosias**Ostrich Plume—(C. Plumosa)**

The new graceful Celosia with long plume-like flower heads in brilliant colors. Plants 2 to 3 ft. high, well-branched and bushy.

354 Magnifica Mixed. Pkt. 10c, 1/8 oz. 35c.

353 Pampas Plume Mixed. New strain with huge feathered plumes in red, copper, gold and sunset. Pkt. 15c, 1/16 oz. 40c.

357 Plumed Golden Fleece. Immense golden yellow plumes. Pkt. 15c, 1/16 oz. 40c.

Cockscomb (C. Cristata) Tall Mixed

Old favorite flower with large crested or comb-like heads of a plushy texture. Shades of yellow, gold, rose and red.

352 Pkt. 10c, 1/8 oz. 30c.

Chinese Woolflower (C. Childsi)

The flowers of this strain are in somewhat pointed ball shaped form. Plants nicely branching and bushy.

356 Mixed. Pkt. 10c, 1/8 oz. 35c.

Candytuft

Another favorite edging and border plant. As the plant grows quickly we suggest you make successive plantings for fresh flowers all summer. A late fall sowing in the open will bloom the following spring.

320 Giant Hyacinth White.

Extra large florets.

Pkt. 10c, 1/8 oz. 35c.

326 Finest Mixed.

Pkt. 10c, 1/8 oz. 30c.

Clarkia

Lovely, softly colored flowers for cutting or for garden display. Sow early in shade or partial shade. Blooms well in poor soil.

402 Pkt. 10c, 1/8 oz. 30c.



Chrysanthemum



Cleome



Dimorphotheca

Cleome—Spider Plant

Fine plants for background or the border or a corner where bushy plants 4 ft. tall are needed. Curiously shaped flower heads make a splendid showing.

406 Helen Campbell. White. Pkt. 15c, $\frac{1}{16}$ oz. 35c.

407 Pink Queen. Soft pink. Pkt. 10c, $\frac{1}{8}$ oz. 40c.

Cobea—Cathedral Bells

Pretty annual vine that grows rapidly with fence or other support. Pretty bell shaped blue flowers.

409 Scandens Blue. Pkt. 15c, $\frac{1}{8}$ oz. 40c.

Coleus

410 Avalon. A fine strain of these richly colored foliage plants, showing shades seldom seen in Coleus. Sow seed early indoors, setting out when soil is warm, in sunny location.

Pkt. 30c, 3 pkts. for 75c.

Cynoglossum Chinese Forget-Me-Not

472 Firmament. Bushy plants 15 to 18 inches high carrying many sprays of the rich blue Forget-Me-Nots. Easily grown in most any soil.

Pkt. 10c, $\frac{1}{4}$ oz. 35c.

Cypress Vine

Very pretty and dainty climber with finely cut almost fern-like foliage and myriads of star-shaped flowers of bright red or white.

478 Mixed Colors. Pkt. 10c, $\frac{1}{8}$ oz. 35c.

Dahlia

These new dwarf strains grow readily from seed and bloom in 4 to 5 months from sowing. Excellent for borders or bedding.

482 Unwin's Dwarf Hybrids Mixed. Double, semi-double, and single flowers in a fine range of Dahlia colors. Plants 18 to 24 in. tall.

Pkt. 15c, $\frac{1}{16}$ oz. 35c, $\frac{1}{8}$ oz. 60c.

Dimorphotheca

African Orange Daisy or Star of the Veldt

A hardy annual of easy cultivation. Fairly long stemmed daisies that grow about 10 inches high.

557 Hybrids Mixed. Orange, gold, salmon, and white. Pkt. 10c, $\frac{1}{8}$ oz. 40c.



Cosmos For Tall Groups in the Border

COSMOS

Cosmos is one of the best of cut flowers and of course excellent in the garden as a background, dividing line or as a screen.

441 Fiesta. New yellow and scarlet All-America Winner for 1952. Bushy plants 2½ ft. high give vivid color all summer.

Pkt. 15c, $\frac{1}{16}$ oz. 40c.

440 Radiance. A truly new color in Cosmos, deep rose with well defined crimson zone.

Pkt. 10c, $\frac{1}{8}$ oz. 40.

448 Double Crested Mixed. Pkt. 15c, $\frac{1}{16}$ oz. 30c.

428 Orange Flare. The 3 ft. plants are simply loaded with the rich orange blooms.

Pkt. 10c, $\frac{1}{8}$ oz. 20c, $\frac{1}{4}$ oz. 35c.

438 Early Single Mixed. White, pink and rose.

Pkt. 10c, $\frac{1}{8}$ oz. 25c, $\frac{1}{4}$ oz. 45c.

Dianthus (Annual Pinks)

525 Letherman's Excellent Mixture. Contains all colors and shades known to pinks, both double and single flowering. Pkt. 10c, $\frac{1}{8}$ oz. 30c.

New Tetra Dianthus

Highly colored and zoned large single flowers with good long stems.

528. Pkt. 10c, $\frac{1}{8}$ oz. 35c.

For Perennial Dianthus Pinks please see page 43.



Dianthus, Excellent Mixed



Four-o'clocks



Gourds



Helichrysum

Eschscholtzia (California Poppy)

572 Orange. The original California Poppy of bright orange and gold.

582 Brilliant Mixed. White, yellow, orange, some rose and red shades.

Either above. Pkt. 10c, $\frac{1}{4}$ oz. 25c, oz. 75c.

Euphorbia

590 Variegata, Snow-on-the-Mountain. Pretty in the garden and so useful for bouquets in combination with other flowers. Leaves rich green margined with ivory. Well-branched plants 2 ft. high. Pkt. 10c, $\frac{1}{8}$ oz. 25c, $\frac{1}{4}$ oz. 40c.

Flower Garden Annual Mixture

Made up of many fine annuals. Very interesting and provides lots of cut flowers.

606 Mixed. Pkt. 10c, $\frac{1}{4}$ oz. 25c.

Four-o'clocks (Mirabilis)

The old favorite annual for borders, hedges, etc. Bushy plants about 2 ft. high. All colors, white, red, pink, yellow, and striped.

609 Mixed. Pkt. 10c, $\frac{1}{4}$ oz. 15c, oz. 45c.

Try These Plants From Seed

You will find it very interesting. Directions with packets.

622 Geranium. Fine Mixed. Pkt. 25c.

632 Gloxinia. Best Hybrids. Pkt. 25c.

1156 African Violet. Varied Blue Shades. Pkt. 50c.



Annual Gaillardia



Gypsophila

Annual Gaillardia

Very showy border and cut flower plants, flowers in many combinations of cream, yellow, and gold with mahogany, red, and brown.

611 Mixed. Pkt. 10c, $\frac{1}{8}$ oz. 35c.

Gomphrena (Globe Amaranth)

Novel everlasting flowers resembling heads of Clover. Bushy plants 18 inches tall.

635 Mixed. Purple, rose and silvery white.

Pkt. 10c, $\frac{1}{4}$ oz. 30c.

Gourds—Ornamental

Popular because of the decorative value of the fruits which may be preserved and kept for a long time.

646 Large Mixed. Pkt. 10c, $\frac{1}{4}$ oz. 15c, oz. 40c.

648 Small Mixed. Pkt. 10c, $\frac{1}{4}$ oz. 15c, oz. 40c.

Gypsophila (Baby's Breath)

The Gypsophila is indispensable for bouquets with other flowers. The dainty white flowers and airy leaves and stems add beauty to any vase of flowers. Sow seed every 2 or 3 weeks.

652 Grand. White Covent Garden. The finest strain for size and abundance of the pure white flowers.

Pkt. 10c, $\frac{1}{4}$ oz. 15c, oz. 45c.

653 Carmine Rose. Pkt. 10c, $\frac{1}{8}$ oz. 35c.

Helichrysum (Strawflower)

The most popular of all Everlastings and grown mostly for drying, though of course the flowers make attractive bouquets when fresh. Cut before centers open, and hang upside down in a cool dark place.

678 Excellent Mixed. Pkt. 10c, $\frac{1}{8}$ oz. 35c.

Hunnemania (Buttercup Poppy)

A buttercup yellow beauty, more impressive than California Poppy. Nice for cutting and a beauty for borders and beds especially with blue.

734 Sunlite Yellow. Pkt. 10c, $\frac{1}{8}$ oz. 35c.



Larkspur

Kochia (Mexican Fire Bush)

The uniform 2½ ft. bright green bushes make excellent hedges or borders, resembling small evergreens. They turn red in the fall.

746 Pkt. 10c, ¼ oz. 20c, oz. 50c.

Sow Larkspur Seed Early

Larkspurs are beautiful in the garden and for cut flowers, with tall branching plants and richly colored flower spikes. You will get best results by sowing seed early directly outdoors.

780 Giant Imperial Mixed. Pkt. 10c, ⅛ oz. 25c.

Lobelia

810 Crystal Palace Dwarf. Very dwarf compact variety with deep blue flowers and dark foliage. Unexcelled for edgings, ribbon bedding, etc. Pkt. 15c, ⅙ oz. 35c.

Lupines—Annual

Long graceful spikes of pea shaped flowers in shades of blue, heliotrope, rose and white. Lupines prefer some shade.

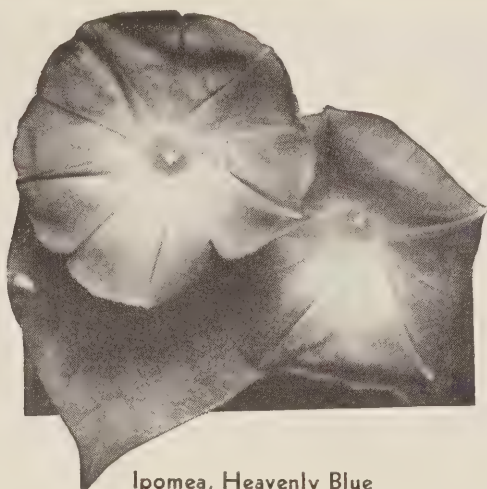
820 King Mixed. Pkt. 10c, ⅛ oz. 25c, ¼ oz. 45c.



Kochia



Nicotiana



Ipomea, Heavenly Blue

Fragrant Mignonette

Highly prized for its fragrance, both in the garden and when cut.

892 Large Flowering Mixed. Pkt. 10c, ⅛ oz. 30c.

Morning Glory and Ipomea

For the longest season of bloom start seed early indoors, transplanting out when soil is warm. Soak the seed in water for several hours before planting to soften the hard shell. Ipomeas bloom best on rather dry soil not too rich.

907 Blue Star. Sky blue with 5 deeper blue midribs to form an attractive star. Flowers are larger and bloom earlier than Heavenly Blue.

Pkt. 15c, ⅛ oz. 35c.

910 Heavenly Blue Ipomea. Most beautiful of all Ipomeas, a lovely shade of blue.

Pkt. 10c, ¼ oz. 30c, oz. 90c.

906 Scarlett O'Hara. Bright cardinal red flowers. Pkt. 15c, ⅛ oz. 30c.

909 White Magic. Beautiful variety, early and free flowering, with large fleecy white flowers.

Pkt. 10c, ¼ oz. 40c.

900 Moonflower, White. The large white flowers are open in the evening and on cloudy days.

Pkt. 10c, ¼ oz. 20c, oz. 60c.

911 Double Rose Marie. Deep rose flowers.

Pkt. 10c, ¼ oz. 40c.

914 Giant Oriental Morning Glory Mixed. Variety of colors.

Pkt. 10c, ¼ oz. 25c, oz. 75c.

Nicotiana (Sweet Scented Tobacco)

Branching bushy plants about 2 ft. high carry their clusters of fragrant waxy flowers throughout summer and fall. The fragrance is especially noticeable during the evening and night, when flowers are fully expanded.

942 Affinis White. Pure waxy white.

Pkt. 10c, ⅛ oz. 30c.

943 Daylight Sensation Hybrids. A strain of beautiful mixed colors, the flowers also remaining open in daytime, unlike the other Nicotiana.

Pkt. 15c, ⅙ oz. 30c.



"Mum" or Mission Giants



Eldorado, Canary Yellow. Very Effective with Blue Petunias

Marigolds do well on most any soil and they certainly reward you with a wealth of bloom for the garden or for cutting.

Snappy Marigolds—Tall and Dwarf

Chrysanthemum Flowered

Beautiful big blooms of the incurved petal "Mum" type as pictured.

830 Glitters. Wonderful new All-America Award Winner. Big rounded canary yellow blooms with long stems on 3 ft. plants.

Pkt. 15c, $\frac{1}{16}$ oz. 35c.

831 Mammoth Mum. Lemon yellow, paler than Glitters, same style plant.

833 Mission Giant Yellowstone. Vigorous plants 18 inches tall with ball shaped golden blooms.

832 Mission Giant Goldsmith. Rich orange.

Above, Except Glitters. Pkt. 15c, $\frac{1}{16}$ oz. 30c.

836 Chrysanthemum Flowered Hybrids. Big blooms variously formed, in all shades of yellow, gold and orange. Tall vigorous plants.

Pkt. 10c, $\frac{1}{8}$ oz. 35c.

840 Sunset Giants. Well named in the golden, orange and yellow shades. Sweet scented.

Pkt. 10c, $\frac{1}{8}$ oz. 35c.

Tall Carnation Flowered

Among the best for cutting. Plants medium tall flowering freely. Flowers of good size with broad graceful petals.

848 Real Gold. The largest of the type, very double, deep golden orange. 24 to 30 inches tall.

850 Yellow Supreme. The creamy yellow flowers have a delicate fragrance.

849 Guinea Gold. Odorless strain, golden.

Any Above—Pkt. 10c, $\frac{1}{8}$ oz. 35c.

Tall Double African

Formal ball shaped blooms. Fine for cutting.

858 African Tall Double Mixed. All shades.

Pkt. 10c, $\frac{1}{8}$ oz. 35c.

Three Fine New Marigolds

841 Fluffy Ruffles. Largest of all. Pkt. 20c.

874 Rusty Red. Novel red shade. Pkt. 20c.

867 Cupid. Best dwarf lemon. Pkt. 20c.

For full descriptions please see page 28.

Dwarf Harmony Types

These have the crested center with the broader outer petals. They bloom early and profusely.

862 Harmony. Orange center with mahogany red outer petals. 15-18 in. tall. Pkt. 10c, $\frac{1}{8}$ oz. 25c.

865 Spry. Very dwarf and compact, covered with bright yellow and mahogany flowers.

Pkt. 10c, $\frac{1}{8}$ oz. 40c.

864 Dwarf Harmony Hybrids. All combinations lemon yellow, gold, and mahogany.

Pkt. 10c, $\frac{1}{8}$ oz. 30c, $\frac{1}{4}$ oz. 50c.

Dwarf French Varieties

871 Eldorado. Lively canary yellow, a shade so much wanted. Well rounded plants 10 inches tall.

Pkt. 10c, $\frac{1}{8}$ oz. 30c, $\frac{1}{4}$ oz. 50c.

870 Yellow Pygmy. Very dwarf (6 in.) early and free blooming variety of the brightest yellow.

Pkt. 10c, $\frac{1}{8}$ oz. 40c.

875 Dwarf Double French Mixed. Very fine mixture. Plants average 10 to 12 inches tall.

Pkt. 10c, $\frac{1}{8}$ oz. 25c, $\frac{1}{4}$ oz. 45c.

885 Signata Pumila, Border of Gold. Very finely cut fern-like foliage, fairly covered with small bright golden yellow single flowers.

Pkt. 10c, $\frac{1}{8}$ oz. 35c, $\frac{1}{4}$ oz. 65c.

882 Spanish Flag Mixed. A mixture of the newest and best of the dwarf, early and free-flowering single Marigolds, such as Naughty Marietta, Sunny, Flash, and Red Head. A packet will give a world of bright colors and endless bouquets.

Pkt. 10c, $\frac{1}{8}$ oz. 30c, $\frac{1}{4}$ oz. 50c.



Nasturtium, Golden Gleam

NASTURTIIUM

Nasturtiums will grow well and make excellent displays of flowers on soils too poor to support other flowering plants. Excellent for bedding, for borders and the trailing varieties on dry sandy terraces and banks.

The Double Gleam Varieties

- 926 Golden Gleam 928 Scarlet Gleam
930 Glorious Gleam Hybrids. All shades.
931 Dwarf Double Gem Mixture. Compact round-
ed plants. Many bright colors.
934 Dwarf Single Mixed.
932 Tall Single Mixed.

Prices All Nasturtiums—Pkt. 10c, oz. 35c,
1/4 lb. \$1.00.

Nemesia

- 939 Superb Dwarf Mixed. Beautifully colored
flowers for borders, edgings, rock garden. Pkt.
15c.

Nigella (Love-in-a-Mist)

- 950 Miss Jekyll Blue. A lovely blue shade of semi-
double flowers nestling in the fine feathery
foliage. Pkt. 10c, 1/4 oz. 35c.

The Brilliant Phlox

Few annuals are as gay and colorful as Phlox in a bed or border. They bloom over a long period and the stems are long for cutting.

- 1057 New Globe Phlox Mixed. All-America Flower Award for 1952.
Dwarf, very compact globe shaped plants 6 to 8 inches tall with
spread of 10 to 12 inches. White, red, rose and lavenders. Pkt. 25c.

- 1052 Grandiflora Mixed. All shades from pure white, flesh pink, deep
rose, cinnabar scarlet, crimson, creamy yellow, lavender, and violet,
15 to 18 inches tall. Pkt. 10c, 1/16 oz. 30c.

- 1054 Gigantea Art Shades. Extra large flowering strain in the soft
shades, such as salmon, rose, chamois, apple blossom, lavender.
Pkt. 15c, 1/16 oz. 40.

- 1053 Dwarf Mixed Beauty. Plants 6 inches tall, covered with brightly
colored flowers. Excellent for edgings. Pkt. 15c, 1/16 oz. 50c.



Pansy, Swiss Giant

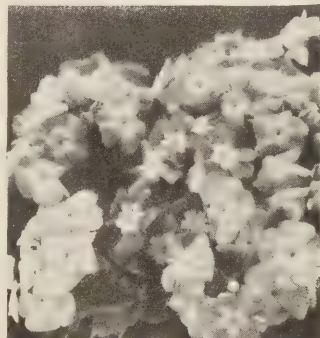
RICH PANSIES

- 972 Felix. Many colors with vividly contrasting
black veined throats. Pkt. 40c.

- 964 Superb Swiss Giants. Noted for their richness
of coloring, their great size, and the heavy
velvety texture of the petals. The colors are
mostly of the darker richer colors such as bronze,
mahogany, wine red, crimson, deep blues, etc.
Pkt. 25c, 1/32 oz. 60c, 1/16 oz. \$1.00.

- 967 Steele's Jumbo Mixed. Early to bloom, the
coloring of the flowers is magnificent, many shades
not in other mixtures. Fine form, heavy petal
substance, and long strong stems are other valu-
able characteristics, in addition to great size.
Pkt. 35c, 1/32 oz. \$1.35, 1/16 oz. \$2.50.

- 966 Exhibition Mixture. An imported strain that
has undergone a generation of selection and
improvement. Large flowers of all colors
Pkt. 15c, 1/32 oz. 40c, 1/16 oz. 75c.



Phlox, Giant Art Shades

Sow Early Outdoors



Dwarf Garden Giants



Snowball Improved

For Every Garden**PETUNIAS****Bloom All Summer**

The universal favorite, perhaps more widely planted in our section than any other annual. Not particular as to soil, give them sunlight and Petunias do the rest, providing an abundance of bloom all summer.

Largest of All Petunias

987 Giants of California, Dwarf Strain. Immense flowers with ruffled petals in a great variety of colors. The throats of the flowers are well-opened and veined and usually of a contrasting shade. **Pkt. 40c.**

988 Dwarf Ruffled Garden Giants. The plants develop into well-rounded mounds 12 to 15 inches high. They start flowering early and continue their gorgeous display all through the summer. The best large flowering strain for bedding. **Pkt. 35c.**

982 All Double Mixed Petunias. Produce 100% large, fully doubled blooms. Require care in growing from seed but results are well worth it. **Pkt. \$1.00.**

Comanche Hybrid**All-America Winner for 1953**

A glorious new red Petunia which you can best visualize by turning to the color plate inside front cover of this catalog. The plants are excellent compact growers, very uniform in height and coloring.

1006 Pkt. 50c, Large Trade Pkt. \$2.00.

Linda, Finest Salmon

Another fine new hybrid of uniformly soft salmon pink. Flowers are somewhat larger than most bedding varieties and they are very freely borne. **1005 Pkt. 50c, Large Trade Pkt. \$2.00.**

995 Elk's Pride. Large flowers of the richest purple violet are very freely produced.

993 Snowstorm. Pure white of extra large size. The finest white Petunia.

Either Above—Pkt. 25c, Large pkt. \$1.00.

Balcony Petunias. Because of their trailing and free flowering habit they are ideally adapted for balcony or porch boxes or bedding.

1040 Balcony Mixed. Pkt. 15c, 1/16 oz. 50c.

Bedding Petunias**The Best of Each Color**

1009 Admiral. Considered best of the dwarf compact clear dark blue Petunias. Our strain is exceptionally uniform. **Pkt. 40c, Large Trade Pkt. \$1.00.**

1008 Lipstick. A glowing carmine rose, deeper than Celestial belonging in the dwarf bedding group. It has the brilliancy of color and does not fade out in hot summer. **Pkt. 35c, 1/32 oz. \$1.00.**

1016 Snowball Improved. Beautiful clear white, blooming to entirely cover the plants. **Pkt. 15c, 1/32 oz. 45c.**

1020 Celestial Rose. Reselected compact strain of this popular shade.

Pkt. 15c, 1/32 oz. 35c, 1/16 oz. 60c.

1002 Silver or Heavenly Blue. Best light blue. **Pkt. 15c, 1/32 oz. 60c.**

Standard Bedding Varieties**All Fine Reselected Strains**

1001 Velvet Ball or Dwarf Flaming Velvet. Very dwarf with blood red flowers.

Pkt. 25c, 1/64 oz. \$1.00.

1007 Blue Bird. Finest deep violet blue.

Pkt. 15c, 1/32 oz. 60c.

1010 Howard's Star Improved. Purple with white star. **Pkt. 15c, 1/16 oz. 60c.**

1014 Fire Chief. The first really red bedding petunia. **Pkt. 25c, 1/32 oz. \$1.00.**

1018 Rosy Morn. Rose with white throat.

Pkt. 15c, 1/16 oz. 60c.

1019 Igloo. Plants very compact, covered with small, pure white blooms unsurpassed for edging where spreading space is limited.

Pkt. 15c, 1/32 oz. 60c.

1022 Finest Mixed Bedding Petunias. Privately blended of the best shades of good bushy compact growth.

Pkt. 15c, 1/16 oz. 55c, 1/8 oz. \$1.00.



Portulaca, Double



Salvia Splendens



Salpiglossis

Silken Shirley Poppies

More of these beauties should be grown. You sow the seed right outdoors early (they defy frost—don't like transplanting). The silken flowers appear 8 to 10 weeks after sowing. Make successive sowings to enjoy all summer.

1061 Single Mixed. Pkt. 10c, $\frac{1}{4}$ oz. 25c.

1065 Double Begonia Mixed. Pkt. 10c, $\frac{1}{4}$ oz. 30c.

1062 Pierrot. Dazzling red with contrasting black blotches. Pkt. 15c.

Portulaca (Rose Moss)

Portulaca does so well in hot dry locations and on such poor soil that it is always in demand. Low growing plants so useful for edgings, ribbon bedding and for sowing on dry banks and terraces.

1112 Single Mixed. Pkt. 10c, $\frac{1}{8}$ oz. 35c.

1114 Double Mixed. Pkt. 15c, $\frac{1}{16}$ oz. 35c, $\frac{1}{8}$ oz. 60c.

Ricinus (Castor Bean)

Giant plants with very large ornamental leaves.

1148 Mixed Varieties. Pkt. 10c, oz. 25c.

Rock Garden Mixture

1152. A mixture of low annuals suited to growing in the Rock Garden. Pkt. 10c.

Scabiosa (Pin Cushion Flower)

One of the best cut flower annuals, the blooms being carried on long, slender wiry stems and they stay fresh for a long period in water. Hardy enough to stand fairly early sowing outdoors.



Scabiosa

1190 Hybrids Mixed.
Pkt. 10c, $\frac{1}{8}$ oz. 30c.

Statice

1212 Sinuata Mixed. May be dried as Everlastings or as fresh cut flowers. Rose, white, yellow and blue shades.
Pkt. 10c, oz. 60c.

Salpiglossis (Velvet Flower)

An easily grown annual with flowers of rich and rare colorings. The flowers are Petunia shaped with deep throats most of which are golden and golden veins spread out through the rest of the flower. Salpiglossis likes rather light sandy soil and to be allowed to grow fairly dry.

1160 Finest Mixed Colors. Pkt. 10c, $\frac{1}{8}$ oz. 35c.

Salvia (Scarlet Sage)

The favorite bright red summer bedding and border plant. Seed should be sown early indoors, given plenty of warmth.

1171 St. John's Fire. The earliest Salvia to bloom, continuing in bright color until fall frosts. The scarlet spikes are only 10 to 12 inches tall, so ideal for bedding or borders. Pkt. 25c.

1170 America or Globe of Fire. Very free and continuous bloomer and exceedingly uniform in growth. 15 to 18 inches high.
Pkt. 20c, $\frac{1}{16}$ oz. 60c.

1168 Bonfire. Flowers of brightest scarlet carried well above the foliage. 2 ft.
Pkt. 20c, $\frac{1}{16}$ oz. 60c.

1166 Splendens. The tallest, 2½ to 3 feet.
Pkt. 15c, $\frac{1}{16}$ oz. 40c.

Blue Salvia, Farinacea

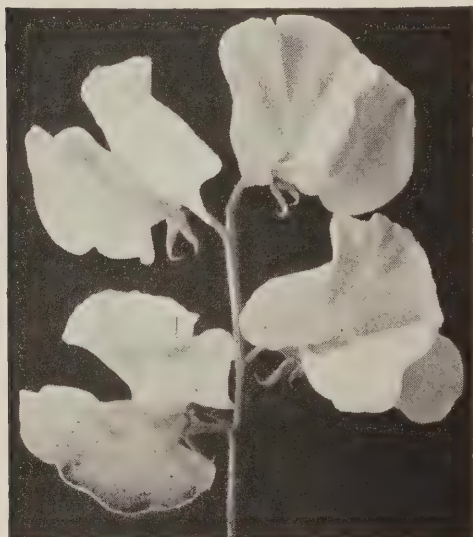
Has great beauty in the border or as a cut flower harmonizing with other garden flowers, the yellows and golds of Marigolds as an outstanding example.

1174 Blue Bedder. Bright silvery blue spikes. Plants 2½ to 3 ft. high. Pkt. 20c.

Schizanthus (Butterfly Flower)

Also called the "Poor Man's Orchid" because of the dainty formation and coloring of the flowers. Bushy plants fairly covered with flowers.

1200 Large Hybrids. Pkt. 15c, $\frac{1}{16}$ oz. 45c.



Sweet Peas

To Grow the Best

SWEET PEAS

Plant Early—Plant Deep—Inoculate the Seed

New Cuthbertson Sweet Peas

The wonderful strain of Sweet Peas that will continue to bloom during hot weather and still have good big flowers and long stems. Cuthbertsons have been thoroughly tested over the country and there is no question that it is the foremost strain that can be offered today.

- | | |
|-----------------------|-----------------------|
| 1268 Jimmy. Scarlet. | 1262 Evelyn. Salmon |
| 1263 Frank. Lavender. | 1264 Janet. White. |
| 1265 Tommy. Blue. | 1267 Ruth. Rose pink. |

Any Above—Pkt. 15c, 1/2 oz. 40c, oz. 70c.

Special Collection Cuthbertson. Consisting of one full sized packet each of the above six varieties. 60c.

1260 Cuthbertson Mixed. Beautiful colors.

Pkt. 10c, 1/2 oz. 35c, oz. 60c, 1/4 lb. \$1.80.

1280 New Multiflora Sweet Peas. New strain with long stems carrying 5 to 6 beautiful blooms per stem. Pkt. 35c, 1/4 oz. \$1.00.

1275 Superb Mixed Orchid Flowering Spencers. The large flower wavy petalled type. Our mixture is well-balanced including all shades.

Pkt. 10c, 1/2 oz. 35c, oz. 60c, 1/4 lb. \$1.80.

Inoculate Sweet Pea Seed with Nitragin
Garden size Pkg. 15c.

Stocks

Start seed in March in cool temperature, 60-65 F. Set plants out in May in rich moist soil and partial shade.

1221 Double 10 Weeks Mixed. Best for outdoors.
Pkt. 10c, 1/16 oz. 30c.



Verbenas—Excellent Bedding Plants

Sunflower (Helianthus)

1247 Sun Gold. Golden yellow double. 4 1/2 ft. tall. Pkt. 10c, 1/4 oz. 25c.

1248 Red Flowering. Single flowers with mahogany red petals. 4-6 ft. Pkt. 10c, 1/4 oz. 20c.

1250 Miniature Hybrids. Small flowers in gold, bronze, and red shades. 3 1/2 feet.

Pkt. 10c, 1/4 oz. 30c.

Thunbergia (Black-eyed Susan)

Very pretty trailing plant for porch and window boxes or as a low vine.

1355 Alata Mixed. Flowers of yellow and orange with black eyes.

Pkt. 10c, 1/8 oz. 35c.

Tithonia—Torch

Mexican Sunflower or Golden Flower of the Incas. Bright scarlet blooms August to frost, on 3 to 4 ft. plants.

1356 Torch. Pkt. 10c, 1/16 oz. 35c.



Tithonia

Verbenas

Very showy and gay bedding plants that bloom continuously all summer and fall.

1385 Sparkle. Wonderful new variety, brightest scarlet with lively contrasting white eye. Plants uniformly 9 in. high, covered with blooms through the summer. You cannot imagine a showier bed or border. Pkt. 25c, 1/16 oz. 60c.

1384 Dwarf, Upright Mixed. Includes all of the Verbena shades and colors. Excellent for bedding. Pkt. 15c, 1/16 oz. 50c.

1396 Mammoth Mixed. This contains all shades of pink, rose, scarlet, lavender, blue, and white.
Pkt. 10c, 1/16 oz. 35c.

Zinnias Really Brighten the Garden



Popular Giant Dahlia Zinnias

Most popular of all Zinnia types. Immense flowers on tall well branched plants. If you want exhibition, size pinch off side shoots.

Canary Bird. Yellow.	Crimson.
Dream. Lavender.	Exquisite. Pink.
Golden Dawn. Golden.	Golden State. Orange.
Illumination. Deep rose.	Oriole. Orange-gold.
Polar Bear. White.	Purple Prince. Purple.
Eldorado. Very attractive salmon apricot.	

Prices—All Above Varieties—Pkt. 10c, $\frac{1}{8}$ oz. 30c, $\frac{1}{4}$ oz. 50c, oz. \$1.50.

1456 Gold Medal Dahlia Flowered Mixed. Superb blend of the better shades.

Pkt. 10c, $\frac{1}{8}$ oz. 30c, $\frac{1}{4}$ oz. 50c, oz. \$1.50.

New Mexican—Persian Carpet

All-America Winner for 1952. Persian Carpet is the true Mexican Haageana type but larger and much more showy in coloring as mahogany, maroon, purple, yellow and gold shades. Stems are long enough for cutting, but the real value of this type lies in its beauty in low beds, borders and edgings. Plants are about 1 foot high.

1496 Pkt. 15c, $\frac{1}{16}$ oz. 35c, $\frac{1}{8}$ oz. 60c.

Lilliput or Pompon Zinnias

Small, fully doubled flowers on comparatively dwarf plants 15 to 18 inches tall. Excellent for borders, bedding or cutting.

Canary	Maroon	Salmon
Crimson	Purple	Scarlet
Golden	Rosebud	White

Any Above—Pkt. 10c, $\frac{1}{8}$ oz. 30c, $\frac{1}{4}$ oz. 50c.

1480 Lilliput Finest Mixed. Pkt. 10c, $\frac{1}{8}$ oz. 30c, $\frac{1}{4}$ oz. 50c, oz. \$1.50.

1494 Tom Thumb Mixed. Lilliput type flowers on very dwarf plants. Pkt. 10c, $\frac{1}{8}$ oz. 45c.

Burpee's Giant Hybrids

A new race of Zinnias with immense, gorgeously colored and formed flowers. The coloring is spectacular and the big fluffy blooms are often 6 inches across. The strong growing, free blooming plants are 3 feet tall. These first and second generation Hybrids are the finest giant Zinnias ever introduced.

1474 Pkt. 20c, $\frac{1}{8}$ oz. 50c, $\frac{1}{4}$ oz. 90c.

Chrysanthemum or Super Fantasy

A very attractive type having gracefully curled and twisted petals like "Mums." Flowers large, plants tall and vigorous. The colorings are unusual pastel shades, apricot, soft rose, peach, chamois, and buff.

1475 Mixed. Pkt. 10c, $\frac{1}{8}$ oz. 35c.

1476 Floradale Scarlet. Mammoth blooms, gracefully formed with curled petals.

Pkt. 15c, $\frac{1}{8}$ oz. 35c, $\frac{1}{4}$ oz. 60c.

1477 Riverside Beauty. A glowing salmon pink, very welcome in Zinnias. Pkt. 20c, $\frac{1}{8}$ oz. 50c, $\frac{1}{4}$ oz. 90c.

Giants of California

Flowers are large but somewhat more flattened than the Dahlia Flowered.

Golden Yellow.

Orange Scarlet.

White.

Soft Pink.

Violet.

Deep Scarlet.

Price Above—Pkt. 10c, $\frac{1}{8}$ oz. 30c, $\frac{1}{4}$ oz. 50c.

1472 Giants of California Fine Mixed.

Pkt. 10c, $\frac{1}{8}$ oz. 30c, $\frac{1}{4}$ oz. 50c, oz. \$1.50.

Peppermint Stick Mixture

These give you the most distinct colors in Zinnias. They are red, rose, yellow and orange, but the petals are striped and blotched with white and other contrasting shades, giving the flowers a most unusual effect. Flowers are medium size.

1495 Pkt. 15c, $\frac{1}{8}$ oz. 45c, $\frac{1}{4}$ oz. 80c.



Lilliput Zinnias, Free Blooming

Sow Perennial Flower Seeds

For Year After Year Beauty



Aquilegia, Long Spurred Hybrids

Alyssum (Basket-of-Gold)

32 Saxatile Compactum. The 10 to 12 inch plants are masses of golden yellow flowers during the early spring. Pkt. 10c, $\frac{1}{8}$ oz. 30c, $\frac{1}{4}$ oz. 55c.

Aquilegia (Columbine)

There are no more graceful flowers than the lovely long spurred Columbines and they deserve a place in every border.

200 Letherman's Long Spurred Hybrids. The long gracefully spurred flowers possess all the delicate and rich colors known to Aquilegias. This is a strain of outstanding quality.

Pkt. 15c, $\frac{1}{16}$ oz. 50c.

Bellis (Double English Daisy)

Popular double daisies which bloom so freely in spring and early summer. Plants are biennial and best results are obtained by sowing each year like Pansies.

260 Monstrosa Mixed. Pkt. 15c, $\frac{1}{16}$ oz. 60c.

Campanula (Canterbury Bells)

Biennial

For best results start seed in late spring or early summer for bloom the following season.

306 Medium Single Mixed. Large bell shaped flowers in long spikes. Shades of blue, pink, rose, and white. Pkt. 10c, $\frac{1}{8}$ oz. 30c, $\frac{1}{4}$ oz. 50c.

302 Calycanthema or Cup and Saucer. Cup-shaped with saucer-like lower petals. Mixed colors.

Pkt. 10c, $\frac{1}{8}$ oz. 45c.

Unless otherwise described the varieties on the following few pages are all perfectly hardy and will give you beautiful blooms for several years after planting. A few varieties are "Biennial" living for two years only and those are so marked.

We will be glad to send you suggestions as to the growing of perennials from seed. It is not difficult and has become a source of great pleasure to many home gardeners.

Hardy Candytuft

328 Sempervirens White. During late spring and early summer the attractive dwarf plants are fairly covered with white bloom. One of the very best hardy plants for low borders or rock gardens.

Pkt. 15c, $\frac{1}{16}$ oz. 65c.

Carnation—Hardy Grenadin

This is the best of the Carnations, hardy in the northern states. The plants are 15 to 18 inches tall, the flowers with fairly long stems and mostly double, a few being semi-double and single.

345 Grenadin Mixed Colors. Dark red, scarlet, pink, and white. Pkt. 15c, $\frac{1}{16}$ oz. 60c.

Coreopsis

422 Double Sunburst. Improved double, semi-double and single flowers.

Pkt. 10c, $\frac{1}{8}$ oz. 30c, $\frac{1}{4}$ oz. 50c.

Digitalis (Foxglove)

540 Shirley Hybrids (Biennial). A stately plant for border clumps and backgrounds. Long flower spikes on 6 foot stalks. Bell-shaped flowers in purple, rose, and pink shades and white.

Pkt. 10c, $\frac{1}{8}$ oz. 45c.



A Fine Plant of Hardy Candytuft



Stately Delphiniums for Your Border

Delphinium (Hardy Larkspur)

500 Pacific Giant Hybrids. The finest of present day Hybrid Delphiniums. The long spikes are carried on strong stiff stems, and the individual florets are extra large and fully doubled. The shades vary from light blue, lavender, and mauve to deep clear blue and violet.

Pkt. 25c, $\frac{1}{16}$ oz. \$1.00.

505 Astolat. New. The much sought-for rose and pink shades, a great achievement by the hybridizers of Pacific Giant Delphiniums.

Pkt. (40-50 seeds) 60c, 3 pkts. for \$1.50.

Separate Color Selections Pacific Giants

501 Blue Bird. Clear medium blue.

502 Galahad. Glistening white.

503 Guinevere. Lavender toned with pink.

504 King Arthur. Dark violet, white center.

Any Variety—Pkt. 30c. Any 4 for \$1.00.

498 Wrexham or Hollyhock Strain. Another exceptionally fine type of Delphinium with long tapering Hollyhock-like spikes. Strong growing and healthy.

Pkt. 25c, $\frac{1}{16}$ oz. 60c, $\frac{1}{8}$ oz. \$1.10.

Daisy, Shasta

486 Alaska. These Daisies belong in every perennial garden. They are indispensable for cutting and for border display. Alaska is the best variety with extra large flowers in June. $2\frac{1}{2}$ -3 feet tall.

Pkt. 10c, $\frac{1}{8}$ oz. 30c.

487 Double Shasta. Flowers vary in form and all are pretty. The first year blooms may show many singles which in later years are fully doubled.

Pkt. 25c.

Feverfew (Matricaria)

One of the most desirable perennials for cutting with their profuse small double white flowers.

600 Tall Double White. Plant 18 to 24 inches tall.

Pkt. 15c, $\frac{1}{16}$ oz. 45c.



Dianthus Plumarius, Excellent Border

Dianthus (Hardy Pinks)

510 Plumarius Semperflorens Mixed. An excellent strain of perpetual Pinks in all shades, double and single. Pkt. 10c, $\frac{1}{16}$ oz. 35c.

512 Plumarius Single Mixed. The old-fashioned sweet scented Clove Pinks. Pkt. 10c, $\frac{1}{8}$ oz. 35c.

Geum (Avens)

Fine for rock garden or the perennial border. The long wiry stems reach up well above the foliage.

626 Bradshaw. Double red.

628 Stratheden. Double yellow.

Either Variety—Pkt. 15c, $\frac{1}{16}$ oz. 35c.

Gypsophila (Baby's Breath)

656 Paniculata Single White. 2 to 3 feet.

Pkt. 10c, $\frac{1}{4}$ oz. 25c.

654 Pan. Double White. Produces a reasonable percentage of double flowers.

Pkt. 15c, $\frac{1}{16}$ oz. 60c.



Shasta Daisy, Alaska



Gaillardia, Fine for Cutting

Hardy Gaillardia

One of the many good things about Gaillardias is their extremely long season of bloom. By keeping the old blooms cut off, the plants produce practically all summer and fall. Fine long stems for cutting.

614 Burgundy. Shining deep wine red.

Pkt. 15c, $\frac{1}{16}$ oz. 35c.

619 Superb Monarch Mixed. All possible combinations of mahogany, yellow, and gold from the lightest to the darkest effects.

Pkt. 10c, $\frac{1}{8}$ oz. 35c.

Hollyhock

724 Finest Double Mixed. All attractive shades.

Pkt. 10c, $\frac{1}{16}$ oz. 25c, $\frac{1}{8}$ oz. 40c, $\frac{1}{4}$ oz. 75c.

726 Allegheny Semi-Double Mixed. Large wavy petalled flowers mostly of the delicate art and pastel shades.

Pkt. 10c, $\frac{1}{8}$ oz. 35c.

Lathyrus (Hardy Sweet Peas)

Pretty, hardy trailing vine for covering fences, old stumps, etc., or as a covering on banks or terraces. Perfectly hardy, spreading rapidly, the plants bloom pretty well through the summer and fall.

790 Mixed Colors. Pkt. 15c, $\frac{1}{8}$ oz. 30c.

Lupines

Lupines do best if the seed is inoculated with Nitragin and they like cool, moist soil conditions. Grouped in the border where the soil is shaded by lower plants is an ideal location.

821 Russell Strain. Magnificent shades.

Pkt. 15c, $\frac{1}{8}$ oz. 50c.

Lychnis (Maltese Cross)

825 Chalcedonica Scarlet. The burning red blooms are like small Maltese Crosses. Fine old fashioned border flowers which bloom freely in midsummer. Plants 3 ft. high. Pkt. 10c, $\frac{1}{8}$ oz. 30c.



Platycodon, Bell Flower

Plant
Perennials
For
Permanent
Beauty



Russell's Lupines

Linum (Flax)

804 Perennial Blue. Dainty blue flowers on graceful stems are produced continuously all summer.

Pkt. 10c, $\frac{1}{4}$ oz. 35.

Myosotis (Forget-Me-Not)

Alpestris. The spring blooming biennial Forget-Me-Nots which are usually grown like Pansies blooming the following spring from July sown seed.

918 Alpestris Blue. Pkt. 15c, $\frac{1}{16}$ oz. 50c.

922 Alpestris Mixed. Blue, rose and white.

Pkt. 15c, $\frac{1}{16}$ oz. 50c.

Platycodon (Chinese Bell Flower)

Bushy plants with neat attractive foliage and bell-shaped flowers, which when in bud are inflated like balloons. The plants are in bloom from July to October and are excellent for border, rock garden, and for cutting. 18 to 24 inches high.

1108 Grandiflora Blue. Pkt. 15c.

Primula Polyanthus

Favorite spring flowers that do so well in rich moist soil in rock garden or border.

1120 Giant Mixed. Large, all shades. Pkt. 25c.

Pyrethrum (Painted Daisy)

These long stemmed Daisies grow in shades of pink, rose, deep red, and scarlet. They bloom in June and early July.

1142 Robinson Hybrids. A fine strain of the single varieties in mixed colors. Pkt. 15c, $\frac{1}{16}$ oz. 50c.

1143 Double and Semi-Double Mixed. Fine beautifully formed flowers. The first bloom is liable to be single but the second year the percentage of doubles is greatly increased. Pkt. 20c.



Viola, Tufted Pansy



Single Sweet William



Oriental Poppy

Scabiosa Caucasica

As valuable as the annuals for cutting. The blooming season is long for well established plants, June to October.

1194 Isaac House Hybrids. Famous English strain with large flowers in shades of blue, lavender, and lilac. Pkt. 20c, $\frac{1}{16}$ oz. 60c.

Iceland Poppy—Nudicaule

These Poppies bloom the first year from seed sown early, but reach their full brilliance the second year. The silky tulip shaped blooms are on long wiry stems and they are nice for cutting especially if stems are seared or dipped in boiling water.

1082 Giant Mixed. Tall stemmed strain in scarlet, orange, golden yellow, and white.

Pkt. 15c, $\frac{1}{16}$ oz. 45c.

Oriental Poppy

1090 Scarlet. The most gorgeous spring flower. Brilliant red with black base.

Pkt. 15c, $\frac{1}{16}$ oz. 40c.

1092 Salmon Pink. Pkt. 15c, $\frac{1}{16}$ oz. 50c.

1091 Hybrid, Mixed Colors. All brilliant shades of red, salmon-pink and pink.

Pkt. 15c, $\frac{1}{16}$ oz. 50c.

Rock Garden Perennials Mixed

1153. Nice mixture of low growing varieties.

Pkt. 15c, $\frac{1}{8}$ oz. 75c.

Sweet William—Biennial

To always have Sweet Williams at their best sow seed every year for the following year's bloom.

Best Sweet William Colors

1349 Dark Crimson.

1351 Scarlet Beauty.

1350 Newport Pink.

1352 Giant White.

Any Variety—Pkt. 10c, $\frac{1}{8}$ oz. 45c.

1345 Single Mixed. A fine mixture of both solid colored and eyed varieties.

Pkt. 10c, $\frac{1}{8}$ oz. 25c, $\frac{1}{4}$ oz. 45c.

1346 Double Mixed. Pkt. 10c, $\frac{1}{8}$ oz. 45c.

1348 Dwarf Alpine Mixed. Low growing species, plants 4 to 6 inches high. Pkt. 15c, $\frac{1}{16}$ oz. 60c.

Viola (Tufted Pansy)

Though many varieties of Violas are perfectly hardy we suggest growing them like Pansies. Fine spring bloomers and in cool seasons they bloom some all summer and again in the fall. Violas like Pansies always do best under cool conditions.

1428 Letherman's Finest Mixed Violas.

Pkt. 15c, $\frac{1}{16}$ oz. 55c, $\frac{1}{8}$ oz. \$1.00.

SOW PERENNIAL SEEDS IN THE SPRING

By starting your favorite perennials from seed you can get lots of plants at very low cost, but of course, you have to wait a bit for them to bloom. The method is not much more complicated than the growing of annuals from seed. Our belief is that you will have the best results if you plant the seed in the open in spring, late April or May. Most perennials germinate better when its cool and moisture is much less a problem in spring than later.

Make up a good fine seed bed that contains plenty of humus (sand helps a lot if your natural soil

is heavy). Just have it in such physical condition that it will not crust over the seed. Sow the seed in rows or in small blocks, if you are starting several kinds, and spread the seed as evenly as possible, not over-crowding so that the plants can be left to grow to fair size before transplanting. Seeds started in that way will produce good strong plants to set into their permanent places in the late summer or early fall. In the case of only a few plants, when you can nurse them along, the transplanting may be done most any time during the summer.

Peat Moss and Vermiculite are big helps in preparing Seed Beds.

Gladiolus - The Cut Flower Supreme



Glads, for long lasting bouquets

Red and Scarlet Shades

Hawkeye Red. Bright red with blotch of darker red on each petal. Very large blooms and tremendous spikes with 8 to 10 blooms open at one time. Midseason.

Marshall Montgomery. Very tall spike of deep rich maroon florets.

Beacon. Glowing scarlet with contrasting yellow throat. Tall impressive spikes. Midseason.

Mrs. Mark's Memory. Rich deep purplish red.

New Europe. Beautiful large bright scarlet.

Red Charm. Produces an enormous tall spike of medium red with many flowers open at once.

Stoplight. Glowing clear red. Well spaced on stem with 7 to 8 blooms open at one time.

Valeria. Leading scarlet on the large flower markets. Very bright large blooms. Midseason.

Yellow and Orange Shades

Bit O'Heaven. Light orange of perfect form.

Hans Van Meegeren. Clear rich golden yellow on tall spike.

Lantana. Bright, lively rich orange-salmon, blending into a golden throat.

Spotlight. Tall spikes with large ruffled flowers of deep yellow with contrasting scarlet throat.

Each 12c, 3 for 35c, Doz. \$1.20.

Yellow Herald. Amber yellow with carmine red in the throat. The large flowers well placed on tall strong stems.

You can start planting Glads in late April and real enthusiasts make several plantings up until July 1st in order to have cut flowers for a long season. Plant the corms 5 to 6 inches deep and then draw the soil up around the stalks as they grow. This gives good support to the tall spikes so that they do not blow over in strong winds.

Our Bulbs No. 1 Top Quality

Our Gladiolus are grown by specialists who raise them for bulb production (not for cut flowers). They are big bulbs, thick through, cleaned and treated for insects and disease. They will produce the finest, largest flowers.

Prices—All varieties except as noted, Each 10c, 3 for 27c, 6 for 50c, Doz. 90c, 25 for \$1.70, 100 for \$6.50.

White and Cream Shades

Corona. Very tall cream with petal tips touched with delicate pink. Midseason.

Leading Lady. Beautifully formed white flower with creamy throat.

Margaret Beaton. Large strong growing white with contrasting red throat. Midseason.

Morning Kiss. Beautiful white with soft pink shading in throat.

Silver Wings. One of the finest of all white "Glads" 6 to 8 very large ruffled flowers of glistening white are open at one time. A sport of Picardy.

White Gold. Large, tall, creamy white with gold throat.

Pink, Salmon, and Rose Shades

Burma. Very rich deep rose with wide open heavily ruffled blooms.

Each 12c, 3 for 35c, Doz. \$1.20.

Ethel Cave Cole. Pure light pink, sometimes flaked with a deeper shade. Strong tall growing spike with 9 to 10 flowers open at a time. Early.

General Eisenhower. Deep salmon rose, open 7 to 8 large flowers at a time on the tall spikes. A prize winner at many shows. One of the best pinks ever produced.

Ea. 12c, 3 for 35c, Doz. \$1.20, 25 for \$2.20.

Leeuwenhorst. Beautiful lilac rose, shading to salmon rose. Very tall spikes.

Picardy. Exquisite delicate apricot or shrimp pink. Ruffled petals.

Spic and Span. An outstanding flower, top winner at exhibitions. The flowers are rich deep pink, ruffled petals, giant in size. The tall spikes have as many as 20 buds and 10 may be open at one time.

Ea. 15c, 3 for 40c, Doz. \$1.50, 25 for \$2.50.

Trivoli. A beauty for cut flowers, clear soft rose, with creamy throat.

Lavender, Purple and Blue Shades

Abu Hassan. The clearest shade of deep blue "Glads." Rich velvety shade.

Each 12c, 3 for 35c, Doz. \$1.20.

Elizabeth the Queen. Beautiful clear lavender with darker lines in throat. Large, finely formed, gracefully ruffled. Tall spike with 7 to 8 flowers open at a time. Midseason.

King Lear. Clear deep purple with silver line on edge of each petal. Very large flowers with waved and ruffled petals.

Lavender Dream. Tall spikes of perfectly formed lavender pink flowers.

Smoky Shades

Vagabond Prince. Garnet brown, lighter in upper throat, scarlet below. Unusual pretty combination. Midseason.

Ea. 12c, 3 for 35c, Doz. \$1.20.

Oklahoma. A superb smoky lilac, flushed rose, with creamy buff throat. The florets are large, nicely ruffled with many open at a time. An excellent grower and early to bloom.

Each 18c, 3 for 50c, Doz. \$1.80, 25 for \$3.50.

For Thrip control in Field
Spray or Dust with DDT

Letherman's Finest Gladiolus Mixtures

Named Variety Mixture. Illustrated Boxes of 1 dozen bulbs (1 each of 12 distinct choice varieties). **Per box 80c, 3 boxes for \$2.25.** These make very fine gifts for flower loving friends.

TUBEROUS BEGONIAS

One of the most beautiful of all summer bedding plants. Tuberous Begonias are at their best in a partially shaded location and they like moist, well mulched soil. Peat Moss is ideal to cover the soil around the plants. It holds the moisture and keeps the soil cool. The bulbs should not be set outdoors until all danger of frost is past, the end of May or early June.

In order to enjoy the flowers for a long season start the bulbs indoors in March or early April. You can use pots or flats, just so they can be lifted without disturbing the roots excessively. Small waterproof paper pots are excellent for starting.

Double Camellia Flowered Begonias

Beautifully doubled and richly colored blooms in the following separate selections:

Red, Scarlet, Rose, Orange, Salmon, Yellow, Copper and White. **Any color or mixed—Large Bulbs: Each 35c, 3 for \$1.00, Doz. \$3.50.**

Other Types of Tuberous Begonias

Pendula Mixed. Hanging basket type, with dozens of small flowers.

Fimbriata or Carnation. Double flowers with frilled petals, resembling Carnations.

Rosebud Mixed. Resembles perfect little rose buds with beautiful two toned pastel coloring.

Double Picotee. Camellia form, but slightly smaller, in combinations of pink and white.

Marmorata. Double scarlet flowers, spotted and flaked white.

Cristata Single Mixed. Immense single flowers of rich colors, each petal crested and frilled.

Prices—Any above types—Ea. 40c, 3 for \$1.10, Doz. \$4.00.

Special Box of 6 Begonias

Made up of 1 bulb each of 6 distinct colors of Double Begonias. All large size bulbs. A wonderful gift packet.

Box \$1.90, 3 boxes for \$5.50.

Exhibition Mixture. Contains a fine selection of variety and colors. This mixture offered in bulk.

All top size clean bulbs, 3 for 25c, Doz. 70c, 25 for \$1.35, 100 for \$5.00.

Spargon Gladiolus and Bulb Dust

Treat Glads and other bulbs before planting for stronger, healthier growth.

2 oz. pkg. 25c, lb. \$1.50.



Camellia, double Tuberous Begonia

Caladium Esculentum (Elephants' Ears)

The plant bears enormous green leaves, somewhat the shape of an elephant's ears. Caladiums are used as border plants often with Cannas, making a very attractive combination. Plant outdoors when soil and weather are warm. For earlier growth they may be started indoors like Cannas. Like rich moist soil.

Large Bulbs, Each 40c, 3 for \$1.10, Doz. \$4.00.

Fancy Leaved Caladiums

The leaves are gorgeous and richly colored, variegated shades of red, green, ivory. They are used as house plants, as porch plants, and they may be planted outdoors in a sheltered spot where heavy winds cannot reach them.

Each 45c, 3 for \$1.20, Doz. \$4.50.



Gloxinia

Brilliant Cannas

The roots may be planted outdoors in Mid-May, or start them inside in pots and set outdoors late May or June after their leaves have made a good start. Cannas are beautiful as beds in large areas or as clumps in the border.

The President. Large glowing scarlet flowers.

King Humbert. Orange-scarlet flowers.

Yellow King Humbert. Canary yellow, spotted red.

City of Portland. Large heads of rose pink.

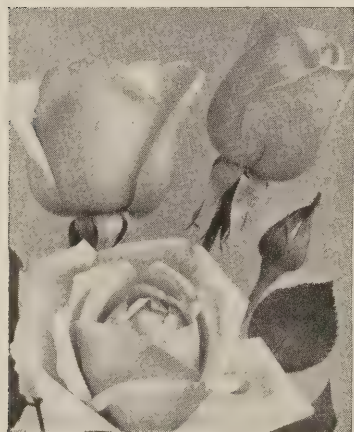
Eureka. The best white Canna.

King Midas. Lemon yellow, dotted red.

Any variety—15c each, 3 for 40c, Doz. \$1.50.

Ismene, Peruvian Daffodil

Calathina. The pure white flowers are very fragrant and graceful in form, somewhat resembling Amaryllis. They are easily grown in most spots, not too wet, doing best in fairly light rich soil. Plant in groups, the bulbs 4 to 6 inches deep, dig in fall and store as you would Gladiolus. Each 40c, 3 for \$1.10, Doz. \$4.00.



Lovely Gloxinias

Every year more flower lovers are becoming increasingly enthusiastic over Gloxinias, because they give so much beauty so readily. Most every home has suitable space for a few pots of Gloxinias. We try to get our first lot of bulbs in late November or December, and they are available then through January or into February. Pick yours out as early as you possibly can before stocks are depleted.

We have separate colors as follows:

Fiery Red—Scarlet—Scarlet bordered White—Soft Rose—Tigrinia (spotted)—Rose with white Throat—Deep Blue bordered White—Pure White—Violacea violet blue.

Prices—Top size bulbs for best bloom—Ea. 45c, 3 for \$1.20, Doz. \$4.50.

Two New Varieties

Hollywood. Extra large, deep violet. Each 45c.

Princess Elizabeth. Blue with white throat. Ea. 45c.

Tigridias (Shell Flower)

Brightly colored, large three petalled flowers of Reds and Yellows. There is an inner cup spotted with yellow. They like a warm sunny situation and are more effective planted in clumps of 6 or more. Plant 3 inches deep. Each 10c, Doz. \$1.00.

Tuberoses, Dwarf Double

Spikes of heavily fragrant double white flowers, thickly set along the stem. The bulbs may be planted directly outdoors when soil is warm, or started earlier inside like Cannas.

Each 18c, 3 for 45c, Doz. \$1.80.

Dahlias

Special Box of 6 Large Varieties

This collection is made of 1 tuber each of 6 distinct colors, all giant flowering.

One box \$2.00, 3 or more at \$1.90.

Special Box of Pompon Dahlias

The fine popular small flowered varieties. One each of six colors.

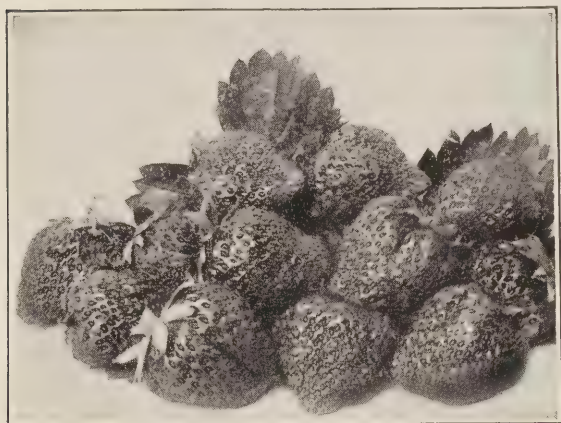
Box \$1.50, 3 or more at \$1.40.

Finest Roses for 1952

A New York State nursery is growing for us a special allotment of extra fine rose plants. They include the most popular older standard varieties as well as the finer new patent roses, even a limited quantity each of the 1952 All-America Award Winners, Fred Howard, Helen Traubel, Vogue, and the 1953 Winners, Chrysler Imperial and Ma Perkins.

These are strong No. 1 field grown plants individually wrapped and accurately labeled. With proper planting there is no doubt of their success.

Ask for our complete descriptive and price list.



You'll Enjoy Home Grown Strawberries

Red Raspberry

Latham. By far the most popular and profitable Red Raspberry. Fruit buyers pay a premium for Latham's bright color, firmness and long keeping quality.

Black Raspberry

Cumberland. The leader among the Black Raspberries. Berries are large, firm, jet black with delicious flavor. Plants hardy, heavy bearing.

Bristol. Heavy yielding, high quality, early.

Logan. Earlier than Cumberland.

Blackberry

Eldorado. The one best Blackberry.

Grapes

2 yr. No. 1 Plants

Caco. Best early red grape, very sweet.

Catawba. Favorite late red. Productive.

Concord. Extremely productive, large blue black.

Niagara. Best white, large, high quality grape.

Horse Radish Roots

Maliner Kren Bohemian. Large size roots of superiopr quality.

Rhubarb Roots

Plant in the spring in well fertilized, deeply worked soil, spacing 3 ft. apart each way. The following spring you can begin to cut fine stalks.

MacDonald. Large red stalks, tender and of excellent flavor, low in acidity. The skin is so tender peeling is not usually required.

BERRY-SET

For Bigger Berries



Just mix with water and spray the open blossom for more and larger berries over a longer season. Strawberries have fewer seeds. This hormone approved by Experiment Station scientists for Strawberries, Raspberries, and Blackberries.

1/2 oz. 25c, 3 oz. \$1.00.

12 oz. \$3.00. (1/2 oz. makes 2 gallons.)

VEGETABLE ROOTS and SMALL FRUITS

In order to give you small fruit plants in the very best of condition we contract for the best varieties to be grown for us in northern Ohio and Michigan nurseries by specialists. These we have delivered to us in the spring at the right planting time. We have them come to us every week for a time, so that we have them in top notch condition for planting. You will be best served by ordering in advance early, then we notify you when your plants are ready.

Prices are not established at catalog time. However, you can depend on getting your plants from us at **very reasonable rates for the varieties and quality we have.**

Strawberry Plants

Premier. Most popular June Strawberry. Early, very heavy yielding. Does well on all soils.

Catskill. Midseason, good yielder of high quality.

Fairfax. Midseason, high quality. Dark colored.

Everbearing Varieties

Red Rich. The phenomenal new everbearer.

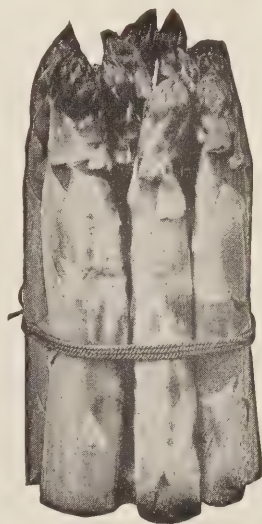
Superfection. New and extra fine.

Gem. Good yielder in late summer and fall. Average size and quality.

Streamliner. Delicious, very sweet flavor and very large berries. Plants hardy and productive.

Asparagus Roots

Asparagus likes deeply prepared and well enriched soil for best results. Plant as early as the soil can be properly prepared, the rows 4 ft. apart and the plants spaced 18 to 24 inches apart in the rows. Dig the trench for the roots 5 to 6 inches deep, at first covering the roots with about 2 inches of soil, gradually filling up the trench as the plants develop. Sometimes a few stalks may be cut the second year but the plants are weakened by heavy cutting until the third year and thereafter.



Tender Asparagus

Mary Washington. Valuable Rust resistant variety in demand because of high yield and excellent flavor. **Strong 2 yr. roots.** Prices on Request.

FOR BIG POTATO CROPS



Plant this kind of Seed Potatoes

Bliss Early Triumph. The earliest red, or pink skinned variety. Vines erect; foliage dark green. Tubers medium size, round, uniform in shape; eyes slightly depressed; skin light red; flesh fine grained.

Irish Cobblers. A fine early variety, producing large handsome tubers of uniform size and shape. A little later than Bliss but a heavier yield. The tubers are nearly round. The flesh is white, cooks dry and mealy and of excellent quality.

Chippewa. Developed by U. S. Dept. of Agriculture for resistance to mild mosaic. The tubers are smooth and regular in shape with very shallow eyes, and yields are exceptionally high. While not classed as an extra early variety it sets its tubers early and may be used both for an early or late crop. Cooking qualities are excellent.

Potatoes in the Home Garden

1 pk. of potatoes will plant 200 ft. of row and should yield 4 to 5 bushels.

The potatoes are cut into pieces, each piece to have at least one good eye. Cut the seed pieces a week before planting to allow the cut sides to callous. Plant 4 inches deep in well enriched soil, spacing the seed pieces 8 to 10 inches apart.

For earliest crop plant Irish Cobbler or Bliss. For winter plant the late varieties.

Parking Space for Farmers. When you drive into Canton to pick up your seeds, etc., you will find parking space at our Farm Seed Warehouse on 5th and McKinley. You can complete your dealing right there, though our store is only a few steps (1½ blocks) from there. We are glad to offer this service to our customers.

Plant Letherman's Northern Grown Certified Seed

Maine and Michigan grown, each variety from a section where that variety is a specialty. The fields are inspected when growing and the potatoes inspected and thoroughly graded after harvest.

Please Ask for Prices

Prices are not established at printing time. They will be ready in January or late February. You will find our prices very reasonable on best quality seed.

New Potato Kennebec

Here is a potato we urge all growers to try. It is adapted to all sections and to all soils and temperatures. It is the **heaviest yielder ever produced in Maine** and outside of the Green Mountain, Kennebec is called the **best eating potato** ever produced in Maine. The tubers have shallow eyes and white skin and are round to oblong in shape. It is classed as a late potato, a good keeper, but the tubers can be dug and used when not yet mature. In addition, it is highly resistant to blight. Try some this year.

Pontiac. Medium late, very heavy yielding, reddish skinned variety of good cooking quality.

Katahdin. Resistant to mild mosaic. Tubers, which it sets early are smooth and of elongated round shape and a very high percentage of No. 1 potatoes. Cooking, eating, and keeping qualities excellent. A week later than Chippewa.

Sebago. Excellent new variety, fine appearing and top eating quality. Very resistant to late blight so especially recommended for localities where blight is serious. Tubers mature a few days later than Katahdin and are round, smooth, and clear white.

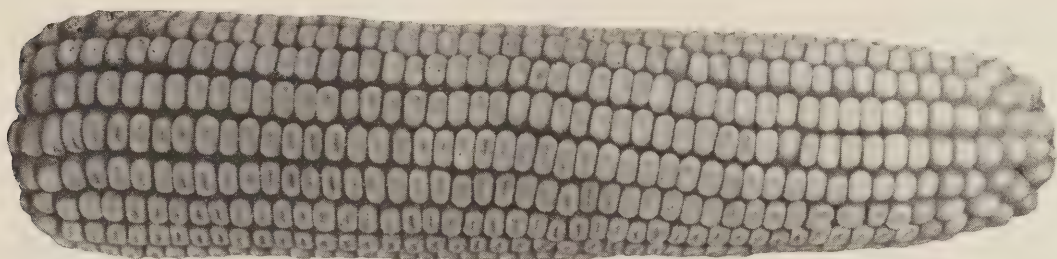
Michigan Russet Rural. Tubers rounded, oblong in shape, of good uniform size. Eyes very shallow and few. Skin finely netted, which allows rough handling without damage and prevents shriveling from evaporation, thus making it an exceptionally good keeper. Eating quality high.

Treat Seed Potatoes with Semesan Bel

Our seed is inspected and certified. It's as clean as can be. Even then it is best to treat all seed before planting. **A 2-ounce pkg. treats 6-8 bushels. 2 oz. 50c, 1 lb. \$2.30, 4 lb. can \$7.50.**

Use Dormatone—Sprout Inhibitor

It prevents shrivelling and sprouting in Potatoes in storage. **12 oz. (treats 8 bu.) \$1.00, 5 lbs. \$5.50.**



Ohio Farmers Plant More Ohio Hybrids than all other Hybrids Combined

CERTIFIED HYBRID CORN • VARIETIES BEST FOR OUR SECTION

The following Certified Ohio Hybrids are those recommended by our State Experiment Station and County Agents, and they have proved their value on practically all of the farms in our area. Dates to ripening are reliable averages, of course varying somewhat with the weather and soil conditions.

Our Hybrid Corn is Treated

Ohio M 15 (90 days). The earliest good Ohio Hybrid, so adapted to Northern sections and for late plantings. Plants slightly taller than K 23, strong, resistant to lodging, blight and corn borer. Ears are medium short, thick, 16 to 18 rowed, giving a heavy yield.

Ohio M 34 (95 days). Stalks are short, foliage very dark green, ears medium size with thick deep kernels. M 34 is high in blight and smut resistance, good in resistance to stalk breakage, with medium root strength. It is quite tolerant to corn borer damage. Satisfactory for mechanized picking.

K 62 (95 to 100 days). Slightly earlier than K 24 it has outyielded that variety 5 or 6 bushels per acre, and the ears carried less moisture at harvest. Resistant to lodging and breakage, well suited to mechanical picking.

W 64. A few days later than 3262 and a still heavier yielder. Rates about the best of all Ohio Hybrids for standing well without lodging or stalk breakage. Resistant to aphids, smut and corn borer. Good for mechanical picking.

Ohio K 24 (100 days). One of the heaviest yielding early varieties. Corn borer resistant and adapted to the average soil. Ears borne low on stalk, of medium length, 14 to 18 rowed, grain medium rough and of the softer type.

Ohio K 35 (100 days). One of the best. A consistently high yielder of uniform, sturdy growth. Resistant to lodging. Also has good resistance to stalk rot, blight and smut. Plants fairly tall, ears borne medium low, ears heavy and rather short, 14 to 18 rowed. We highly recommend K 35 as of all around value especially adapted to sandy and lighter soils. Drought resistant.

404 A (100 days). A very high yielding variety and adapted in every way to this section and to practically every type of soil. The small, strong shank makes 404 A easy to harvest.

C 54 (Ohio 3254) 105 to 110 days. Medium height plants, ears just right for picking, and husks easily. C 54 ranked first in yield at the Experiment Station. The grain is very deep, not rough. Also resistant to lodging, leaf blight, aphids, and corn borer.

More Silage per Acre

U. S. 13 (115-120 days). In our section U. S. 13 is the corn to plant to fill up the silo. Tall leafy plants, corn borer and disease resistant. Ears large and deep grained, superior to other types ensilage corn.

Open Pollinated Field Corn

We will have ample stocks of the following varieties:

Early Butler	Old Virginia
Hawks Early Yellow Dent	Lancaster Sure Crop

Please Ask for Prices On
All Varieties of Hybrid
and open Pollinated Corn

We are in position to meet all
reliable competition on Certified Grades

Spraying Weeds in Corn

Last year we supplied farmers with 2, 4D Weed Killers for both pre-emergence and later application on corn. Very good results are reported. On the Weed Killer page in this catalog we include the best formulas for farmers' use.

Treat Your Seed Corn to Insure Better Stands

Sperguson. 1½ oz. treats 1 bushel. 1 oz. pkg. 25c, 5 oz. tin \$1.00, 1 lb. \$2.25. Sperguson is very valuable in treating other seeds also.

Arasan. ¾ to 1 oz. treats 1 bushel. ¾ oz. pkg. 25c, 8 oz. can \$1.00, 2 lb. can \$3.20.



A 200 Acre Field of Certified Clinton Oats being grown for us

Letherman's Farm Seeds

Our policy is to supply seeds of the best quality obtainable, high in purity and germination, and varieties thoroughly adapted to this section.

CLINTON 59 OATS

And Clinton No. 11 a similar strain

Over the past three years Clinton has, in our area, proved to be the best Oat in yield and disease resistance.

Clinton is stiff strawed, stools heavily and is medium height. In season it is a week to 10 days later than Vicland. Clinton has high test weight, the kernels are plump and heavy with thin hulls. Clinton 59 and 11 overcame the only fault found in original Clinton, that is greater uniformity in bearing and maturity. Sow $2\frac{1}{2}$ bushels per acre.

MISSOURI 0-205 OATS

A new strain developed by Missouri Exp. Sta. and put on the Ohio certification list as being well worthy of trial. Several days earlier than Clinton, it has an extra high yield record and high test weight.

Limited quantity available. Ask for price.

THE NEW ANDREW OATS

New yellow variety slightly earlier than Clinton and like Clinton, resistant to Victoria blight, stem and crown rusts. Has good stiff straw. Well adapted to Stark, Wayne, Holmes and nearby counties, in many instances outyielding Clinton.

WAYNE OATS

The old standby on so many farms in this area. A week to 10 days later than Clinton, it is a big yielder and has stiff lodge resistant straw.

Other Spring Grains

Barley, Velvet Spring. Best variety for Ohio.

Smooth awned, 6 rowed. Sow 2 bu. per acre.

Buckwheat. Sow 50 to 60 lbs. per acre.

SOY BEANS

We recommend shallow planting, 1 inch deep

In rows 1 bu. of seed per acre

In drills $1\frac{1}{2}$ bu. of seed per acre

Adams. New, early, leafy variety giving heavy yields of hay, yet early enough for big grain production. Combines without loss as pods are borne high, well off ground. **Supply Limited.**

Monroe. The earliest variety recommended for Ohio. 4 or 5 days ahead of Earlyana and 10 days earlier than Hawkeye or Richland. A taller plant than Richland, yielding as well.

Lincoln. Makes big top growth for hay. If planted early will mature seed, high in oil content.

Hawkeye. This new Soy Bean matures early, at same time as Richland. It makes a large plant, is equal in standing ability and outyields Richland 3 to 4 bushels per acre.

Wilson Black. Late heavy variety for hay.

Inoculate Soy Beans with Nitragin

It Pays in Larger Yields

Nitragin S 2 Bu. size 40c, 5 Bu. size 60c

25 Bu. size \$2.70

Grains for Fall Sowing NEW SENECA WHEAT

An improvement over Thorne because of larger grain, and stiffer straw which stands up better.

Thorne Wheat—Certified and uncertified stocks.

New Butler Wheat

Balboa Rye—Heavy stooling for fall pasture.

Winter Barley—Giving good yields.



A Field of Certified Ranger Alfalfa

ALFALFA

Because of the extreme importance of Alfalfa to Ohio farmers, we are making every effort to have available all of the better strains.

Certified Ranger. Resistant to bacterial wilt and it ranks very high in seed and forage production and equal to Grimm in cold resistance, being harder than Buffalo.

Certified Buffalo. Also resistant to bacterial wilt. It makes very rapid recovery after cutting, and larger than ordinary fall growth. It is well adapted to Ohio and is more winter hardy and longer lived than common Alfalfa.

Utah Affidavit Grimm. Seed of this type produced in an area with winter conditions very similar to ours in Ohio, often extreme cold with little or no snow protection. Some fields have been in this Alfalfa for 15 years. An excellent buy if you want long life.

Idaho and Northwestern Grimm
Canadian Variegated—Certified Atlantic
Common Alfalfa—Oklahoma Approved

CLOVERS

Medium Red Clover. Our seed is of highest purity and germination, and northern produced. Sow in late winter, early April, or August at the rate of 8 to 12 lbs. per acre alone or 5 to 6 lbs. if in mixture.

We have Ohio and Illinois Stocks

Midland Red Clover—Ohio Certified. Really a blending of three outstanding strains from Ohio and Illinois. It is partially resistant to anthracnose and is more winter hardy than Common. Gives better yields in central and northern Ohio.

Mammoth Red Clover. Of somewhat larger growth than Medium Red, about 3 weeks later to bloom.

Alsike Clover. Often does well where Red Clover fails. Alsike does well on the wetter, colder, and poorly drained soils of more acid reaction. Excellent for sowing with Timothy as they mature at same time.

Sweet Clover, White Blossom. Does well on practically all types of soil, poor barren spots where other clovers will not catch. Makes rather coarse hay, but is a great soil builder and early spring sowings will make a hay crop that fall.

Sweet Clover, Yellow Blossom. Makes smaller and finer growth than White Blossom—so preferred for hay or pasture. Both excellent bee pasture.

Ladino White Clover

Ladino is a giant growing type of White Clover, that is very highly recommended for use in pasture mixtures. Larger in every way than White Dutch, it survives a surprising amount of dry weather and lives long in the less closely grazed pastures. Gives a remarkable yield. Sow with other clovers or grasses at rate of $1\frac{1}{2}$ to 3 lbs. per acre.

Available in Certified Blue Tag or Field Inspected White Dutch Clover. Desirable in pasture mixtures.

Birdsfoot Trefoil. This plant fills the need for a deep rooted, drought resistant perennial legume that stands plenty of grazing. Does well on practically all soil, even moist acid soil, though better with lime. Spring or early fall seedings are best. If broadcast sow 4-5 lbs. per acre or in mixtures $1\frac{1}{2}$ to 3 lbs.

Lespedeza, Korean. Most satisfactory for Ohio.

GRASSES and FORAGE

Kentucky Blue Grass, Heavy Recleaned Seed. The most valuable grass for permanent Ohio pastures. Best results are obtained from April, or August and September sowings. When sown alone use 20 to 30 lbs. per acre.

Timothy. We make a specialty of Ohio grown seed showing purity of 99.5% or better.

Rye Grass, Domestic. Used in many pasture mixtures because it germinates and grows quickly making pasture before the slower grasses become established. Also sown alone as a cover crop. Really is a better cover crop than Rye, making finer leaf growth and heavy root growth—and more palatable pasture. Sow 20 lbs. per acre.

Rye Grass, Perennial. Longer lived than Domestic.

Alta and Kentucky 31 Fescues. Improved strains of tall Fescue, long lived and deep rooted, adapted to wide variety of soils and climates. Seed in early spring or early fall.

Other Grasses on Page 54.

Orchard Grass. It can be grown on most any soil if not very wet and it does better on light sandy soils that lack fertility than other grasses.

Reed's Canary Grass. A very valuable grass for wet, almost swampy soils, where nothing else does well. Useful for drier soils also. It makes a tough, permanent sod for pasture. Can be seeded with a grain crop in spring or alone in August to early September. Sown alone 8 to 10 lbs. per acre. In mixture 2 to 4 lbs.

Lincoln Brome Grass. The use of Brome is steadily increasing in our section and we regard Lincoln as the most satisfactory strain. It is a very valuable cold resistant and dry weather resistant grass, and does well on a wide variety of soils. It is often used with Alfalfa at a rate of 10 lbs. Alfalfa, 10 lbs. Brome per acre. Also used with Ladino for pasture.

Letherman's Pasture Mixtures

Made up according to Experiment Station recommendations, we can give the mixture best fitted to your soil and conditions.

Inoculate all Legume Seeds with

NITRAGIN

OVER FIFTY YEARS OF SERVICE

When ordering, Always state name of seed.

<p>COMBINATION (AB)</p> <table border="0"> <tr> <td>Size</td> <td>Retail</td> </tr> <tr> <td>1 bu. ea.</td> <td>\$.55</td> </tr> <tr> <td>2 bu. ea.</td> <td>.95</td> </tr> </table> <p>ALFALFA (A)</p> <p>Swt., Bur. Hubam Clovers</p> <p>1 bu. ea.\$.55</p> <p>CLOVERS (B)</p> <p>Red, Alsike, Crimson, White and Ladino.</p> <p>1/8 bu. (Ladino) ea.\$.18</p> <p>1 bu. ea.55</p> <p>LESPEDEZA (L)</p> <p>100 lb. size (Inoculates up to 100 lbs.) ..\$.55</p> <p>PEAS, (C)</p> <p>VETCHES (All But Crown)</p> <p>100 lb. size (Inoculates up to 100 lbs.) ea.\$.50</p> <p>GARDEN SIZE— Peas, Beans, Sweet Peas, Lupines, Lima Beans and Edible Soybeans.</p> <p>Enough for 8 lbs. seed — Retail Price 15c each</p>	Size	Retail	1 bu. ea.	\$.55	2 bu. ea.95	<p>SOYBEANS (S)</p> <table border="0"> <tr> <td>Size</td> <td>Retail</td> </tr> <tr> <td>2 bu. ea.</td> <td>\$.40</td> </tr> <tr> <td>5 bu. ea.</td> <td>.60</td> </tr> <tr> <td>25 bu. ea.</td> <td>2.70</td> </tr> </table> <p style="text-align: center;">(One can)</p> <p>BEANS (D)</p> <p>Navy, Pinto, Wax, String, Kidney and Great Northern</p> <p>1 bu. ea.\$.55</p> <p>PEANUTS, COW PEAS (E)</p> <p>2 bu. ea.\$.40</p> <p>SPECIAL CULTURES—</p> <p>Give name of seed when ordering. Birds-foot Trefoil, Lima Beans, Big Trefoil, Crown Vetch, Sesbania, Sainfoin, Kudzu. Others upon request.</p> <p>1/8 bu. ea.\$.18</p> <p>1 bu. ea.65</p>	Size	Retail	2 bu. ea.	\$.40	5 bu. ea.60	25 bu. ea.	2.70
Size	Retail														
1 bu. ea.	\$.55														
2 bu. ea.95														
Size	Retail														
2 bu. ea.	\$.40														
5 bu. ea.60														
25 bu. ea.	2.70														

Treat All Legume and Grass Seed With Arasan For Better Stands—Quicker Growth

The difference is very apparent and in our judgment every farmer will profit by the use of Arasan. Treat with Arasan first and in the case of legumes inoculate later immediately before sowing. The cost is low, the 8 oz. can treating 100 lbs.

3/4 oz. pkg. 25c, 8 oz. can \$1.00, 2 lb. can \$3.20, 10 lb. bag \$11.50.

Sweet Sudan Grass. Produces an immense crop of hay and if sown early, can often be cut twice. Grows rapidly to height of 4 to 5 ft. and after first cutting it stolls out for pasture. It is killed in the fall by the first hard frost. If sown in drills use 10 to 15 lbs. per acre, if broadcast you will need 25 to 30 lbs. Sweet Sudan makes better and more feed than ordinary strain.

Winter or Hairy Vetch. Makes valuable hay, or green manure for plowing under. May be sown in corn at last cultivation or any time from July to September. Frequently sown with rye using 15 to 20 lbs. of Vetch with 1 bushel of Rye.

Dwarf Essex Rape. Excellent quick growing pasture for hogs or sheep. Usually ready to pasture 8 to 10 weeks from sowing. Excellent for late fall pasture, withstanding cold. Sow from April to July at rate of 5 to 8 lbs. per acre.

SPRAY CLOVERS

To Control Spittle Bug

The State Experiment Station and many farmers also, have shown 50% better yields of hay and also of seed by one spraying against the Spittle Bug.

When to Spray. Soon after the Spittle Bug nymphs are hatched they start to feed on your plants and the time to spray is when you see the "sudsy" spittle masses forming. In our section this is usually during the first week of May. Plants should be not over 6 to 8 inches high.

The Materials to Use. Benzene Hexachloride and Toxaphene give practically 100% control if correctly applied at right time. Of the two, BHC still gives excellent results if put on a little early, because of its residual action.

BHC in liquid emulsion

Methoxychlor in liquid emulsion

Toxaphene Emulsion

Please ask for prices—buy early

Agricultural Weed Killers

For pre-emergence and post emergence spraying of sweet corn, field corn and small grains.

DuPont 46% Esters 2,4D Weed Killer, Acid Equivalent 38.6%.

DuPont 67% Amine 2,4D Weed Killer, Acid Equivalent 40%.

Weedone No. 32 Brush Kill. Mixture of 2,4D and 2,4,5T, most effective for control of various kinds of brush. May be used in growing season or in winter, when mixed with oil.

Ammate Weed Killer. Kills all vegetation, even trees. Highly recommended for Poison Ivy in orchards. Safer than 2,4D when drift is considered.

TCA Sodium Salt. The most effective control for Quack Grass and other tough perennial grasses.

Ask for prices on your needs of all above.

UP-TO-DATE WEED KILLERS

For Weedless Lawns



New Improved Formula

New Improved Weedone contains the powerful 2,4,5T as well as 2,4D, the two most effective select Lawn Weed Killers known. The proper combination of these chemicals plus penetrants and wetting agents makes Weedone the outstanding Weed Killer. It kills more weeds and woody plants than either 2,4D or 2,4,5T alone.

Weedone does not give off vapors that might drift and injure nearby valuable rose, flower or vegetable plants. This is an exclusive feature.

Weedone has many uses around the home grounds as well as its great value in lawns. For instance, it will kill Poison Ivy, Poison Oak, Briars and many other woody plants, and it kills tree stumps to prevent regrowth. Directions on package. **8 oz. can \$1.00, Qt. can \$2.75, Gal. \$6.95.**

DuPont Weed Killer No. 2

Concentrated form 2,4D (20%) a quart being sufficient for about $\frac{1}{2}$ acre. **Qt. \$2.95.**

Weedone Brush Killer 32

A new concentrated formula of 2,4D plus 2,4,5T more powerful than either alone. Indispensable to the farmer for cleaning out weeds and patches of woody plants and stumps. Can be mixed with water or oil. Ask for full instruction leaflet. **Gal. \$8.90.**

2, 4D's for Agricultural Use

For pre-emergence and post emergence spraying of sweet corn, field corn and small grains.

DuPont 46% Esters 2,4D Weed Killer 2,4D Acid Equivalent 38.6%. Ask for prices.

DuPont 67% Amine 2,4D Weed Killer 2,4D Acid Equivalent 40%. Ask for prices.

TCA Sodium Kills Quack Grass

Many times one application has given close to 100% kill of Quack, Johnson and other perennial grasses. TCA may be used with safety and crops may be sown in the same soil in 6 to 8 weeks after treatment. Rate of application varies with soil and weather conditions. As low as 50 lbs. per acre has been effective. Ask for complete leaflet with details as to application.

10 lb. drum \$5.40, 50 lb. drum at 46c lb.

Arsenical Weed Killer

A fast killer of Poison Ivy and practically all vegetation. Not for lawns. Very inexpensive for use on all areas that need to be kept clean of vegetation, like tennis courts, driveways, etc.

Qt. 70c, gal. \$2.00, 5 gal. \$9.00.

Weedone Crab Grass Killer

Potassium Cyanate

This formula is the most effective Crab Grass control now available, applying on the lawn when Crab Grass is in seedling stage or when it is in full growth without damage to clover and lawn grasses. PC is also best control for Chick Weed. It is non-poisonous to the user and is non-toxic to the soil, a big advantage in sowing seed soon, after the material has been applied.



Easy of application, a powder readily mixed with water for spraying or sprinkling. Full directions are on label and should be followed. **6½ oz. (enough for 1000 sq. ft.) \$1.00, 26 oz. \$3.00, 6½ lb. \$8.85.**

ACP Crab Grass Killer

Contains Potassium Cyanate and MCP to control both crab grass and broad leaved weeds without injury to lawn grasses or clover. **6½ oz. can \$1.25, 26 oz. can \$3.75, 6 lb. can \$9.70.**

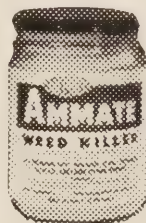
Weedust

Dry Powder form of 2,4D for spot dusting on broad leaved weeds.

12 oz. sifter top can 75c.

DuPont Ammate

DuPont Ammate. Destroys all weeds and plant growth to which it is applied—even brush and trees. The home owner will find it effective in keeping driveways, tennis courts, etc., free of growth and for "spot" treatment on lawns. The Farmer uses it to eradicate patches of thistle, poison ivy, quack grass, etc. Ammate is not poisonous and has no fire or explosive hazard. **2 lb.**



Bottle \$1.00, 6 lbs. \$2.70, 50 lb. Drum \$12.80.

Crag Herbicide 1

Gives good control of germinating weed seeds and seedlings (Chick Weed, Purslane, Crab Grass, etc.) in Strawberries, Gladiolus and some other crops. It will not injure Strawberry or other plants when the crop plant is well established.

It is also recommended as a pre-emergence application. Normally used at rate of 2-3 lbs. per acre. **2 lb. pkg. \$4.50. Ask for quantity prices.**

Aero-Cyanate

Recommended for control of small weeds in onions. Used as pre-emergence and post-emergence spray. Rates of application vary from 10 to 20 lbs. per acre in 60 to 100 gallons of water.

6 lb. can at \$1.15 lb. Ask for quantity prices.

IT PAYS TO FERTILIZE . .

VIGORO

COMPLETE PLANT FOOD

Nitrogen 6%, Phosphoric Acid 10%, Potash 4% and 11 other elements that plants need

It is the analysis recommended by Experiment Stations and so many garden experts for general use on Vegetables, Flowers, Trees, Shrubs and Lawns. Vigoro supplies all the 11 elements that plants need from soil. It is clean, odorless and economical to use. Every dollar spent for Vigoro is well invested. Full directions with every package.

100 lbs. \$4.55, 50 lbs. \$2.80, 25 lbs. \$1.70, 10 lbs. 95c, 5 lbs. 53c. Subject to change.

Instant Vigoro

Analysis 19-28-14 with trace elements

Highly concentrated with total plant food of 61%, completely and quickly water soluble. It is recommended for foliar feeding (foliage spray) as well as root feeding. Use it for starter solution and for regular feedings on flowers, shrubs, trees and lawns applied as a liquid. For foliage application dissolve one level tablespoon per gallon of water. For soil application dissolve 2 level tablespoons per gallon.

8 oz. can 80c, 1 lb. can \$1.25, 3 lb. can \$3.00, 25 lb. drum \$13.35.

Milorganite

A Valuable Turf Builder

Milorganite is entirely organic and its plant food becomes available slowly, feeding over a long period. It will not burn and is entirely free from weed seeds. It also improves physical condition of soils. Good for Vegetables, Flowers, Shrubs, etc.—though we especially recommend it for Lawns. Analysis—Organic Nitrogen 6%, Phosphate Acid 3%.

100 lbs. \$4.10, 50 lbs. \$2.70, 25 lbs. \$1.65.

Horticultural Peat Moss

Soil Conditioner and Mulch

A fine grade which worked into the soil acts like a sponge holding moisture and plant food so that it is available to plant roots. It breaks up heavy soil and improves light sandy soil, making them more productive and easier to work. Soil does not bake or crust when Peat Moss is used liberally. Also valuable as a surface mulch in hot weather, keeping soil cool and the weeds down. Nothing better as a protective covering in winter. Available in the following sizes:

Big Jumbo Bales \$4.95, 1/2 Bales \$3.00, Bu. Bag 85c, Handy Pack (Peck) 40c.

Rhodo-Azalea Food

Keeps the Soil Acid

Just the food that is needed for Rhododendrons, Azaleas, Camellias and other acid loving plants.

5 lbs. 70c, 10 lbs. \$1.25, 25 lbs. \$2.80.

Special Rose Food

Analysis 8-10-4

A 50% organic fertilizer completely mineralized, no filler. The important part is that it helps roses grow and bloom to their fullest capabilities. Every rose grower should use this fine help to better roses.

5 lbs. 75c, 10 lbs. \$1.40, 25 lbs. \$3.25.

Ask for prices in large quantities

Bulb Food

For Glads, Dahlias, Tulips, Daffodils, etc.

This contains the correct elements for bulbs, not only to produce maximum bloom, but to develop the bulb in the ground so it is in the best condition for the following year. For instance, an application of Bulb Food to Tulips as they bloom or even after blooming, helps to develop the bulbs for maximum results the following spring. Analysis 5% Nitrogen, 6% Phosphoric Acid, 15% Potash.

5 lbs. 85c, 10 lbs. \$1.35.



For Foliar Feeding

Ra-Pid-Gro

Plant Food Plus Vitamins

Analysis 23-21-17 All Soluble

Applied in liquid form it goes right to work on your plants and the effect is noticeable within a few days. It contains all the 11 food elements essential to plants plus vitamins and is equally valuable to flowers, vegetables, shrubs, and lawns. It not only feeds the roots but its plant foods are also absorbed by the foliage. Quickly soluble in water it is easy to apply with none of the hard effort necessary in the application of ordinary fertilizers.

1 lb. of Ra-Pid-Gro when mixed with water makes 176 lbs. of liquid fertilizer, so actually the cost of application is very reasonable.

2 oz. pkt. 25c, 8 oz. can 69c, lb. \$1.25, 5 lbs. \$4.50, 10 lbs. \$8.75.

Concentrated PLANTABBS

Valuable quick dissolving food for house plants, in fact for all plants.

Box 10 Tablets 10c, 30 Tablets 25c, 75 Tablets 50c, 200 Tablets \$1.00, 1000 Tablets \$3.50.

Bone Meal

A fine slow acting food for plants. It does not quickly stimulate top growth but helps greatly in developing strong root systems and bulbs in the case of bulbous plants. Favored for Roses, Bulbs, Perennial Plants and as a fall application on lawns.

5 lbs. 70c, 10 lbs. \$1.30, 25 lbs. \$2.65.

SOIL CONDITIONERS. Please see Page 1.

Fertilizer Prices are Subject to Change and are F.O.B. Canton

.. EVERYTHING YOU PLANT

ACTIVO

**Soil Energizer
Compost
Activator**

Better than fertilizer—for it helps you build soil to richness both by direct usage (conditions, balances and energizes) in mulches, soil, fertilizers, etc., and by making better compost quicker from leaves, grass, weeds, kitchen waste, even sawdust and soot! Turns garbage into rich humus in 2 to 4 weeks. Odorless. Complete directions with every package. ActiVO is alive with Nature's own vital organisms, packed in rich, moist humus.

No. 2 size, for 400 lbs. compost, **\$1.00.**

No. 7 size, for 1300-1700 lbs. compost, **\$2.50.**

No. 25 size, for 3 tons compost, **\$7.00.**

Terra-Lite Vermiculite

Seeds, plants and bulbs start better and grow better when Vermiculite alone or mixed with soil is used as a planting medium. It serves as a reservoir of moisture and roots really thrive in it. It is also one of the best materials in which to store tender bulbs over winter. Moistened Vermiculite serves as a splendid medium for cut flowers instead of water, holding the stems firmly and keeping the flowers fresh longer. Used outdoors you will find it invaluable as a soil conditioner and mulch.

4 qt. bag 40c, 1/2 bu. 85c, Jumbo bag (4 cu. ft.) \$2.25.

Dried Cattle and Sheep Manures

We carry stock of these valuable manures that are still considered the very best plant foods by many experienced gardeners. They contain the elements that make plants grow and, of course, being organic they add humus and moisture holding capacity to the soil.

Please ask for prices

Other Special Materials

**Sulphate of Ammonia—Nitrate of Soda
Dried Blood—Super Phosphate—Muriate
Hydrated, Raw and Spray Lime
The New Soil Conditioners**

ROOTONE

Reg. U. S. Pat. Off.

The plant hormone powder for cuttings, seeds, tubers, and bulbs. Just dip the base of the cutting or slip in Rootone before setting and the roots will grow faster and bigger.

1/4 oz. pkg. 25c, 2 oz. \$1.00, 1 lb. \$5.00.

TRANSPLANTONE

Reg. U. S. Pat. Off.

The hormone-vitamin powder for stimulating roots in transplanting. Makes shrubs, trees, and plants in general take root faster. You will find your crops of cabbage, tomato and other vegetables will be earlier and bigger if Transplantone is used.

1/2 oz. pkt. 25c, 3 oz. pkg. \$1.00, 1 lb. \$4.00.

NO-SEED HORMONE Blossom-set

To get more and better Tomatoes from your plants spray the blossoms with Blossom-Set. It is proven that this hormone means earlier, larger, meatier Tomatoes with fewer seeds. Peppers and Cucumbers are also greatly benefited.

4 oz. bottle (makes 1 gal.) 75c, pt. \$1.75.

Berry-Set

The Hormone spray for Strawberries, Raspberries, Blackberries. Means larger, better berries, produced for a longer season.

1/2 oz. pkt. 25c, 1 oz. (makes 4 gal.) 50c, 3 oz. \$1.00, 12 oz. \$3.00.

Dormatone. Prevents sprouting, shrivelling, softening of Potatoes, Beets, Carrots, etc. when in storage.

12 oz. (treats 8 bu.) \$1.00, 5 lbs. \$5.50.

Fruitone. To prevent blossom drop in Tomatoes. Sprayed on the blossoms it results in earlier, more and solid fruits, with many less seeds.

2/5 oz. pkg. 25c, 2 oz. \$1.00, 12 oz. can \$5.00.

Seed and Root Protectants

Arasan. A treatment for many vegetable, flower and for lawn grass seed. Of great value also to the farmer for legumes and pasture grasses.

3/4 oz. 25c, 8 oz., \$1.00, 2 lbs. \$3.20.

Spergon. An easy and safe to use dust treatment for many vegetable seeds which prevents seed decay, "damping off" and stimulates growth. Especially valuable on lima beans and sweet corn. **1 oz. 25c, 5 oz. \$1.00, 1 lb. \$2.25.**

Spergon DDT. Gives seed protection plus insect control against weevils and storage pests.

1 lb. \$2.25, 10 lbs. \$20.00.

Spergon, Gladiolus and Bulb Dust. Controls thrips and bulb decays. Also for tulips, narcissus and iris. **2 oz. 25c, lb. \$1.50.**

Phygon XL. For beet, spinach and pepper seed. **2 oz. 50c, 4 1/2 oz. \$1.00, lb. \$2.70.**

Semesan. For vegetable and flower seed treatment. **2 oz. 60c, 12 oz. \$2.85.**

Semesan Bel. For potatoes. **2 oz. 50c, lb. \$2.30.**

Ceresan M. Best for small grains. **14 oz. can \$1.25, 3 lb. \$3.55.**

Tersan. Treatment for Brown Patch disease in Lawns. **5 1/3 oz. can \$1.00, 3 lb. bag \$6.75.**

MATERIALS FOR CROP PROTECTION

To control Insects and Plant Diseases on Vegetables—Flowers—Roses—Fruits—Ornamental Shrubs—Trees and Lawns.

Letherman's policy is to have not only the seeds, plants and bulbs to take the first step to good crops, but to have for you the very best controls for any pest that might threaten those crops.

We are members of the Ohio Pesticide Institute and adhere very closely to the recommendations and information given to us by the Ohio Experiment Station, the USDA and Technical Experts of the country's largest Chemical Manufacturers.

Any quotations made at this writing are subject to change. All prices are F.O.B. Canton.

Standard Insecticides

Arsenate of Lead. Standard poison for chewing insects. **Ask for prices.**

Aramite 15W. Controls Red Spider and Mites. The new, safe, sure material to spray on Roses, Evergreens, Trees and many ornamentals and fruits. Just mix with water and spray.
4 oz. pkg. (makes 16 gals.) \$1.00.

Black Leaf 40. Nicotine Sulphate. Effective control for most sucking insects, such as aphids, plant lice. Safe on all plants. **1 oz. 35c, 5 oz. \$1.05, lb. \$2.40, 2 lbs. \$4.15.**

EPN. Recommended for Mite and Curculio control in commercial orchards. Also effective against various other insects. For Mites use $\frac{1}{2}$ to $\frac{3}{4}$ lb. in 100 gals. water. **Lb. \$1.60.**

Parascalecide. For Peach Tree Borer control and safe to use even on young trees. Apply spring or fall. **$\frac{1}{2}$ pt. 75c, qt. \$1.45, gal. \$3.25.**

Para-dichlor-benzene Crystals. Control for Peach Tree Borers and also used as a household moth control. **Lb. 35c, 3 lbs. 90c.**

Tobacco Dust. Excellent insect repellent, dusted on plants or mixed with the soil around plants for underground insects. Our grade has high nicotine content. **2 lb. carton 35c, 5 lbs. 60c.**

Volck Oil Spray. A summer oil spray effective against Mealy Bugs, Scale Insects, Red Spiders and White Flies. **4 oz. 35c, 16 oz. 70c.**

Malathion Spray 50%

Valuable New Insecticide Spray

Malathion will control most insects and can be safely used by the home gardener to do much of the control work done by professionals with Parathion and without the risk that is connected with Parathion. Controls various mites, aphids, white flies on fruits, ornamentals and vegetables.

1 oz. 50c, 5 ozs. \$1.40, pt. \$3.00.

Rotenone

The most important single Insecticide for the home garden. Very effective control for many chewing and sucking insects. Rotenone is non-poisonous so safe to use on any or all crops. It is especially valuable for use on Beans (Mexican Bean Beetle) and on Cucumbers, Melons and Squash.

Rotosyn—1% Rotenone Dust. More concentrated than most Rotenones and includes a wetting agent so can be used mixed with water for spraying, as well as for dusting. **Lb. 50c, 5 lbs. \$1.50.**

Black Leaf 1% Rotenone Dust. With a special carrier material for superior dusting qualities. **Lb. 35c, 4 lbs. carton \$1.25.**

NNOR Rotenone Spray. Most effective Rotenone Spray because of its spreading and sticking qualities. Highly recommended for insect control on African Violets and other house plants.

1 oz. 35c, 6 oz. \$1.00, 16 oz. \$2.15.

Red Arrow. Containing Rotenone and Piperonyl cyclonene. Non-poisonous, always safe to use. **1 oz. 35c, 4 oz. \$1.00, pint \$2.85.**

Special DDT Formulations

DDT controls more insects than perhaps any other insecticide. It is safe on plants, with some few exceptions, such as Tomatoes and Cucurbits. Used very extensively on ornamentals, vegetables, farm crops and also for pest control in barns and other buildings. DDT is especially valuable for potatoes and for Corn Borer and Japanese Beetle.

75% DDT Wettable Powder. Contains 75% DDT. Now the standard formulation for the large gardens, farm crops and commercial growers.

Ask for prices.

50% DDT Wettable Powder. Contains 50% DDT. Available in 1 lb. can only, **\$1.00.**

5% DDT—Neudust. For dusting only, containing 5% DDT. Useful form for Potato Insects, Corn Borer and for Gladiolus Thrips. **Lb. sifter top can 50c, 5 lb. bag \$1.35.**

25% DDT Emulsion. Liquid spray containing 25% DDT. Available in quantity for large users.

Ask for prices.

Zid-U-Al. Oil spray containing 5% DDT. For use as a residual action contact insecticide spray in homes, restaurants, barns, milk shed, chicken houses, etc. Controls flies, mosquitoes, bedbugs, roaches, etc. Stainless and pleasant to use.

1 pt. 50c, 1 qt. 90c, gal. \$3.00.

Sohio Aerosol Bombs. (DDT) Very convenient for household use. **Each \$1.29.**

Dormant Oil Insecticides

Scalecide. A combination of mineral and vegetable oils, considered the safest oil spray to use on all fruits, shade trees, shrubs, vines, and evergreens. Very effective against scales, aphids, red mites, and other pests controlled by a dormant spray. **Pt. 75c, qt. \$1.15, gal. \$2.75.**

Soluble Oil Spray. For dormant spraying. Dilute 1 gallon to 30 gallons water. **Qt. 30c, gal. 90c.**

DuPont Dormant Spray Oil. A superior type oil for pre-foliage spraying of ornamental, fruit and shade trees. 1 quart makes 8 to 12 gallons of spray.

Quart bottle \$1.15.

Ask for quantity prices

Marlate—Methoxychlor

Affords effective control against many insects on vegetables, such as Mexican Bean Beetle, Cucumber Beetles, Japanese Beetles, Leaf Hoppers, Flea Beetles, Codling Moth and Ornamental Fruit Moth. It is also an excellent control of fleas, house flies, cockroaches and other farm and household pests. Marlate is safe to use, as it is non-poisonous and it does not have the harmful effect on cucumbers, melons, and some other crops that are damaged by DDT.

Marlate 50W. Wettable powder containing 50% Methoxychlor. **8 oz. can 75c.**

Marlate 2-MR. A liquid spray containing 24% Methoxychlor. One quart of this emulsion equals one pound of Marlate 50W Powder in amount of actual methoxychlor. **Please Ask for prices.**

CHLORDANE

Chlordane is effective as a contact insecticide, a stomach poison and a slow fumigant against a wide range of insects. It has been used with very good results for grass hoppers, ants, wire worms, crickets and many kinds of maggots and grubs in the garden or agricultural field, and on such pests as roaches, carpet beetles, moths, etc., in the pest control field.

5% Chlordane Dust. We recommend it as the form to use when dusting is more convenient than spraying. For lawn use to control ants and grasshoppers apply 5 lbs. of this dust per 1000 sq. ft. At that rate it is a very effective and inexpensive grub control. We also recommend the dust for household use against cockroaches, etc.
1 lb. 60c. Ask for quantity price.

Chlordane Liquid Emulsion 45%. Excellent form of Chlordane controlling all insects as recommended above. Average application, 1 teaspoonful to a quart of water. **Oz. 39c, 4 oz. 85c, ½ pt. \$1.25.**

40% Wettable Chlordane. Contains 40% Chlordane. Mix with water for spraying.
Ask for prices.

Benzene Hexachloride—BHC

Excellent control for various insects on plants, animals and in barns and other buildings. BHC kills three ways, by contact, with vapors and as internal poison. Use with precautions, in accordance with label instructions. See page 54 for information on BHC for Spittle Bug control.

Lexone 10GW. Wettable powder, 10% gamma isomer BHC. 6 lb. bags. **Ask for prices.**

Liquid BHC Emulsion. 10% gamma isomer.
Ask for prices by the gallon.

Lindane 25% Wettable Powder. Lindane is the purified odorless form of Benzene Hexachloride, the active ingredient all being of the Gamma Isomer. To control many insects mix at rate of one pound to 100 gallons of water.
Ask for prices.

5% Lindane Spray. Most effective control of Spittle Bug for home gardens. Valuable also for many other insect pests on plants and in buildings. **1 oz. 40c, 4 oz. 85c, 16 oz. \$2.75.**

Fumigants

Cyanogas "A" Dust. Kills rats, moles and all other rodents. **Lb. \$1.00, 5 lbs. \$3.85.**

Cyanogas Ant Killer Package. Fitted with spout for easy use on ant hills. **4 oz. 40c.**

Cyanogas G-Fumigant. Ideal material for the fumigation of greenhouses, mills, warehouses, and other buildings for eradication of all insects and vermin. **5 lb. can \$3.85.**

Garden Dowfume

New soil fumigant containing Ethylene Dibromide, highly effective in control of Nematodes, Wireworms and other soil insects. It is inexpensive and easy to handle without special equipment. One gallon fumigates about 400 sq. ft. **Gal. \$1.50.**

Miscellaneous Pesticides

Warfarin Black Leaf Rat Killer

Now considered the best control for rats and mice. It is slow in action but safer and surer. Follow directions as printed on label and you will rid your premises of rodents. Concentrated form to be used with baits, for instance, 1 lb. makes 20 lbs. of prepared bait.

4/5 oz. pkg. 50c, ¼ lb. \$1.75, lb. \$5.00.

Ready Mixed Form. Lb. 78c, 5 lbs. \$2.98.

Cutworm Dust. Positive, quick and thorough control of all species of Cutworms. Just dust on the soil around plants to be protected.

1 lb. sifter top cans 75c.

Ant Dust. Has proven very effective against all species of ants and is safe to use indoors or out. Also effective control for other household insects. **6 oz. can 35c, 1 lb. can 60c.**

Dogzoff. Keeps dogs away from evergreens and other plants, garden furniture, etc.

3 oz. bottle 60c.

Dog-Check. Provides an easy method of keeping dogs away from Evergreens and other plants they bother. Just dip the applicator in the bottle of liquid and then suspend it in the shrub. **Small size (with 6 applicators) 60c, Large size (with 12 applicators) \$1.00.**

No-Nibl Rabbit Repellent. Just spray or dust on any plants that you wish to protect from Rabbits. They avoid those plants because they cannot bear the taste. The 6 oz. can makes 2½ gallons of spray. **6 oz. can 98c.**

Roach Paint—Containing Chlordane. By far the best control for roaches of all species. Eradicates severe infestations within 4 days and the treatment lasts for 90 days. Can be sprayed on or applied with a brush. **Leaves no residue. Pt. 75c.**

Mole-Nots. Sure death to Moles. **Garden Size 35c, Large Size \$1.00.**

Snarol Metaldehyde Bait. Kills snails, slugs, cut worms, sow bugs and is non-injurious to plants. **1 lb. carton 35c, 2½ lbs. 75c, 6 lbs. \$1.50.**

Stanley's Crow Repellent. ½ pt. treats 1 bu. of seed corn. ½ pt. 60c, pt. \$1.00, qt. \$1.75.

ALL PURPOSE SPRAYS-DUSTS

Combination Insecticides and Fungicides

Made to accomplish more than one job in one application, controlling various kinds of insects, at the same time safeguarding against diseases.

DuPont Floral Dust

Kills insects and stops diseases. For Roses and other Ornamentals. Contains Fermate (Ferbam) and Sulfur for black spot, mildews, rusts and many other diseases. The Insecticides Methoxychlor and Rotenone control practically many insects and are safe to use on all plants. Wettable powder for dusting or spraying.

8 oz. gun 79c, 1 lb. \$1.15, 3 lb. bag \$2.65.

ACP Rose and Floral Dust

This one multi-purpose product protects your Roses and other favorite flowers and shrubs from insects and diseases. It contains the newest chemical discoveries, Lindane, DDT, Ferbam, Ovotran and Sulfur. Used as dust or liquid spray.

1 lb. can \$1.49, 3 lb. can \$3.59.

DuPont Garden Dust

Fills the need of the home garden vegetable grower for a material to kill most all insects and diseases that he is liable to encounter on his vegetables. It is safe to use on all varieties even up to harvest time. Contains the non-poisonous Methoxychlor, Rotenone and the valuable fungicide Parzate (Zineb). Wettable powder for dusting or spraying.

8 oz. gun 79c, 1 lb. \$1.15, 3 lb. bag \$2.65.

DuPont Fruit Tree Spray

Effective against most insects and diseases attacking fruits, apples, pears, cherries, peaches, plums, apricots, quince, strawberries, currants and gooseberries. Contains the safe insecticide, Methoxychlor plus Sulfur and Fermate. A wettable powder, one pound making 13 gallons of spray.

1 lb. \$1.15, 3 lb. bag \$2.75.

Bontox

All-purpose Insecticide and Fungicide dust containing Rotenone, DDT, Methyl Naphthalene and Copper Dust. For use on Vegetables, Flowers, Shrubs, and Fruits. Bontox contains wetting agents so can be used as a spray or dust. Mix 1 lb. to 5 gals. water. 1 lb. Sifter Top can 65c, 5 lb. bag \$2.25.

Rose Tox. Contains effective ingredients for control of rose insects and diseases. A wettable powder for dusting or spraying.

6 oz. can (makes 10 gals. of spray) 65c.

Special Crop Formulas

DuPont Tomato Dust. Controls insects and blights with the effective insecticide Methoxychlor, plus Copper for plant disease. A wettable powder for dusting or spraying. 2 lb. bag 85c.

Potato Dust. Copper plus DDT. Controls blights, leaf hopper, flea beetles.

Pickle and Melon Dust. Rotenone and Copper or Zerlate. For control of leaf blights and wilts and insects.

Ask for prices in any quantity

Standard Fungicides

Bordeau Mixture. Effective fungicide for control of Black Rot, Mildew, Blight, Leaf Curl, Scab, etc.

Ask for prices.

Copper A Compound. A very effective form of fixed or low soluble copper that avoids plant injury often resulting from the use of Bordeaux. Excellent for use on celery, tomatoes for blight, potatoes, vine crops and cherries. May be used as dust or spray. Ask for prices.

Sulfur Dust. Superfine dusting grade. Excellent control for Rose Mildew, mildew and fungus diseases on many other plants. Lb. 15c, 5 lbs. 60c.

Sulfur-Magnetic Wettable. Micronized. Finest grade with great spreading capacity. Goes into solution readily. Ideal for use in combination with Arsenate of Lead or Nicotine. 5 lbs. 75c.

Lime Sulfur-Dry. Widely used fruit spray.

Lb. 60c, 5 lbs. \$2.25. Ask for quantity prices.

New Organic Fungicides

Fermate (Ferbam). Recommended for many fruit, vegetable and flower diseases. Packed as dry powder but used as liquid spray only. Ask for complete leaflet with directions for use of Fermate on various crops.

1/2 lb. can 75c. Ask for quantity prices.

Zerlate (Ziram). Effective for early blight of potatoes, leaf blight of celery, leaf spots diseases and anthracnose on tomatoes, leaf diseases and wilts on cucurbits, brown rot on peaches. Wettable powder for dusting or spraying. Ask for prices.

Parzate (Zineb). Fungicide A. Controls early and late blights of tomatoes, potatoes and celery, and Downy Mildew of melons and cucumbers, as well as Leaf Spots and Rusts of many flowers, (not roses). Wettable powder for dusting or spraying. 6 oz. can 85c. Ask for quantity prices.

Phygon-XL. Controls leaf blights and fruit rot of tomatoes, Black Spot on roses, Apple Scab and many other plant diseases caused by fungi. Wettable powder for dusting or spraying.

2 oz. can 50c, 4 1/2 oz. \$1.00, 1 lb. \$2.70.

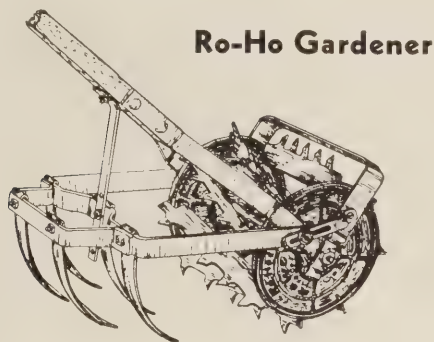
FOR TREE PROTECTION

Tree Tanglefoot. The efficient method of keeping insects out of shade and fruit trees. Just spread a band of Tanglefoot around the trunk high enough to be out of reach. Also seals and waterproofs wounds. Lb. \$1.25, 5 lbs. \$5.85.

Grafting Wax. For grafting, budding, top working, etc. 1/4 lb. 35c, 1/2 lb. 50c, 1 lb. 80c.

Treekote. Pruning and tree wound dressing. Comes ready and easy to apply. Treekote makes an excellent filler for cavities when mixed 3 parts sand, 1 part Cement, and 2 parts Treekote. A treatment on young fruit trees against rabbit and mice injury. Pt. 55c, qt. 75c, gal. \$2.00.

Tre-Tex. A repellent to prevent rabbits, deer, mice and other bark-eating animals from damaging your trees. Just paint thoroughly on the trunk from the ground up to 3 or 4 ft. Qt. \$1.50.

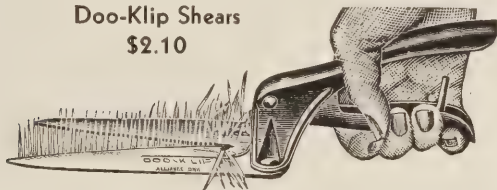


Ro-Ho Gardener

Combined Mulcher, Weeder, Rotary Hoe, and Cultivator. Does it all in one operation.

10 Ro-Ho. Works a strip 10½ inches wide. Complete with 5 cultivator shovels and scuffle knife. Each \$10.85.

Doo-Klip Shears \$2.10



Long Handle Doo-Klip. The user stands erect at all times in a natural easy position. Pair \$3.75.

Snip-itt Shears. Pair \$1.60.



Doo-Klip Shears pictured above \$4.25.

Electric Hedge Shears

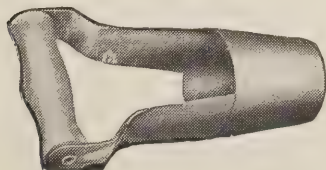
Guild Hedshear Model 103. Soundly engineered for steady work without repairs, only an occasional oiling. Rotary cutting action means fast and vibrationless cutting. A double cutting edge which lessens the time and labor required and means that the shears can be handled either right or left handed. Self sharpening.

Price, Hedshears with 10 ft. heavy rubber covered cord \$47.85.

Extension Handle for tall shrubs \$4.00.

Cord Sets 100 ft. 2 wire rubber covered 16 gauge \$8.50.

Prices—All Subject to Change.



Bulb Planter

Makes the hole and removes soil for ideal planting.

Each 95c.



"Twist-Ems"

The latest in plant ties, taking the place of twine and raffia. Easy to use, good looking, practical and long lasting. Twist-Ems are dark green tapes with wire reinforcing, applied by a simple "twist of the wrist."

Box of 100— 8 inches long 25c.

Box of 100—16 inches long 50c.

Prices in Bulk per 1000

7 inch \$1.75 8 inch \$1.95 16 inch \$3.90

250 Ft. Continuous Roll, Per Roll \$1.00.

Soil Testing Kits

2 Minute Kit. Tells whether soil is sweet or acid and to what degree. Complete with instructions and charts. Each \$1.49.

Home Garden Model. A 20-test kit, tests for nitrogen, phosphorus, potash, and acidity, giving all essential information to produce maximum crops with least expense for fertilizer. Price \$2.98.

Club Model. Excellent for Garden and 4H Clubs and commercial growers. Makes 50 individual tests for Nitrogen, Phosphorus, Potash, and Acidity. Complete with instructions and data. Each \$5.89.

Horticultural Model. Has 4 times as much testing material as Club Model. Price \$14.95.



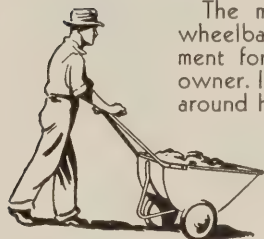
Protect your hands with these gloves, soft yet durable goat skin, dirt proof, easy to wear, not at all clumsy and washable. Tough enough to stand handling of Roses, Barberry, and other thorny plants. Ladies say they keep their hands soft. Men find them tough enough for handling rough materials. Several sizes. **Ladies Small, Medium, and Large, \$1.45 per pair. Men's Medium and Large, \$1.55 per pair.**

Erosionet For Lawns

A strong economical open mesh fabric. When placed over any seeded surface it catches and holds the seed and soil in place. Especially valuable for terraces and other "hard to catch" spots. Material is 44 inches wide.

Per yard 22c, 10 yards or more at 20c yd.

Gardeneer Cart



The modern successor to the wheelbarrow and a good investment for practically every home owner. It does dozens of odd jobs around home, garden, garage and yard and does the job easily. For moving dirt, sand, leaves, grass cuttings or for stones and other heavy objects. Simply tip it down, rake, shovel or roll the load into it, tip it back and away you go.

Gardeneers are engineered to give you years of service. Very sturdily made, with rubber tired wheels.

Price \$8.95. Subject to change should conditions warrant.

Fertilizer Spreaders see Page 4

Keep Your Lawn Clean— With a Parker Sweeper

Does Four Hours Work in One Hour

As compared with the hand rake you can readily accomplish that time saving. The Sweeper cleans up leaves, lawn clippings, small twigs, trash and papers and can even be adjusted to remove worm casts, ant hills and debris of light character.

Parkerette. 20 in. sweeping width **\$33.50.**

Homko. 24 in. sweeping width **44.10.**

Springfield. 28 in. sweeping width **55.50.**

Subject to Change

Ross Root Feeder

Attaches right to your hose and carries plant food and water down to the plant roots where needed. Especially valuable for Evergreens, Roses, Azaleas, even Trees and Turf. Has 100 uses. Rod reaches down 2 ft. **Complete with 12 plant food cartridges \$4.98.** Extra cartridges either neutral or acid **\$1.00 per doz.**



Starter Cartridges. 10-52-19 Analysis. Excellent for giving plants a good start. **Box of 12 for \$1.00.**

Soil Soakers

Apply Water Where You Want It

Made of canvas, treated to resist mildew. The soakers are open at one end which screws to the end of the garden hose. When the water is turned on the Soil Soaker fills with water and normal pressure forces water through the pores of the entire surface, uniformly without spray. You can imagine how well this soaks the soil slowly so that the water really gets down to the roots.

4 sizes viz.:

No. 0—12' long \$1.80 No. 1—18' long \$2.40

No. 2—30' long 3.70 No. 3—50' long 6.00



Border Fencing

Attractive, inexpensive border for protecting flower beds, roses, evergreens or other plants you want to keep free from intrusion. May be shaped to fit round beds, square or straight in front of a border. Curved top design made by using pickets of three lengths 15 in. 16½ in. and 18 in. woven between 2 wire cables. Pickets all surfaced and painted white. Sold only in 25 ft. rolls.

Style 118 Price per 25 ft. roll \$5.35.

Style 109 Curved top picket fencing. 42 in. high, woven between 4 wire cables. Pickets finished all 4 sides and painted white. **Sold in 50 ft. rolls at \$20.50 per roll.**

The Friendly Gate. Matches the 42 in. fencing. It is 3 ft. wide with metal frame for easy installation. **Price No. 142 Gate \$8.75.**

Adjusto Plant Supports

Hold plants nicely with less labor and expense than other forms of plant support. Easy to adjust and can be used year after year. The wire rings fit easily on the stake at any height desired. For tall plants use two wire rings.

Stakes are ⅞ in. square, wires are 13 in. diam.

3 ft. stake, with wiring \$3.20 doz.

5 ft. stake, with wiring 4.00 doz.

6 ft. stake, with wiring 4.50 doz.

Extra 13 in. wires at \$2.00 doz.

Vita-Bands for Plants

Vita-Bands are almost a necessity to the gardener who starts seed early indoors. They are nutrient treated to assure growth.

Vita Band D. Do not remove them when transplanting because the band disintegrates in the soil and plant gets absolutely no set back.

Size	Doz.	100	500	1000
2x2x2½	\$.15	\$.65	\$2.75	\$ 5.00
2½x2½x3	.20	.85	3.50	6.50
3x3x3	.20	.95	4.00	7.60
4x4x4	.35	1.60	7.00	12.90

Neponset Red Fiber Pots

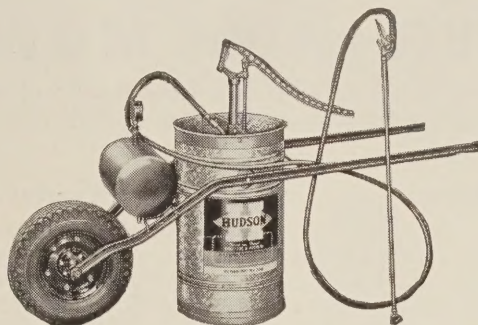
Size	Doz.	100	500	1000
2½ in.	\$.20	\$1.20	\$5.00	\$ 9.60
3 in.	.25	1.40	5.50	10.00
3½ in.	.30	1.65	7.25	13.50

Standard Clay Pots

We carry a stock of practically all sizes for pick up at our store. You can buy them singly or by the hundred.



Bugwizer



Hudson Sunshine Porta-Sprayer



Insect-O-Gun

Efficient Sprayers and Dusters

Hudson Compressed Air

Perfection. This is the best of the compressed air sprayers. It has full 4 gallon capacity; oil and chemical proof hose attachments.

No. 310G Perfection. Galvanized tank. \$13.20.

No. 310S Perfection. Stainless tank. \$23.60.

Climax. 3½ gallon capacity.

No. 335 G Climax. Galvanized tank. \$11.20.

No. 341G Climax Jr. Galvanized 2½ gal. \$11.20.

No. 293 Leader. Galvanized 3½ gal. \$9.60.

Booster. 3 gallon capacity.

No. 291G. Galvanized tank \$7.60.

No. 220G Bugwizer. 2½ gal. cap. \$6.95.

Masters
For All Kinds
of Spraying



G. S. Master Sprayers

The handiest sprayer of this type we have ever seen. Works from any bucket or container and sprays continuously with very little effort. Nozzle adjusts from fine mist to heavy stream. This is a very handy article to have around any home, its uses are so numerous.

G. S. Master Sprayer \$8.95 each.

G. S. Junior. Smaller in design. \$6.95.

Extra 10 ft. hose with couplings \$3.00.

Favorite Sprayer

A perfectly designed 1¾ gal. capacity compressed air sprayer extremely well made, yet light to carry, with 5 ft. of plastic spray hose and 18 in. curved brass extension tube. The nozzle is easily adjustable from a fine mist through fine, medium, coarse and long distance spray.

No. 9A Galvanized Tank \$9.90.

Hudson Sunshine Porta-Sprayer

You can do a lot of spraying with this 15 gal. capacity portable type. It will maintain 250 lbs. pressure and with the pressure tank continue to spray for several minutes without pumping. It is sold as the following models.

The 3 below complete with pressure tank.

3703 Steel tire \$44.80. **3704 Cushion tire** \$51.20.

3705 as illustrated, pneumatic tire \$62.40.

DuMore Knapsack Sprayer. 4 gallon. The best of the type for unusual ease of operation, carrying, and continuous high pressure spraying.

No. 347 Galvanized tank \$32.40.

Cardinal Continuous. A dandy hand sprayer with 3 qt. capacity. Has the new "2 spray" nozzle which fits it for all types of spraying work and all densities of solution. **No. 436** \$2.30.

Capital Compression Sprayer. 3 quart capacity, is both a compression and continuous sprayer, especially useful in all kinds of buildings. Useful to commercial exterminators, janitors, porters and caretakers. **No. 438** \$3.30.

766A Admiral Duster. Today's outstanding duster for the home garden \$2.00.

Insect-O-Gun

Attaching right to the hose, it is very easy to apply weed killers or soluble fertilizer to the lawn, or to apply liquid sprays to the flower or vegetable garden, any place you can reach with the hose.

Insect-O-Gun. Jar holds enough to make 3 gals. of properly proportioned spray. \$6.95.

Gro-Gun. Sprays fertilizers and weed killers, spraying 15 gals. with each filling of pint jar. \$2.95.

Gard-N-Gun. For spraying insecticides. Supplied with ½ pint jar. \$2.95.

POWER LAWN MOWERS

We have contracted for a reasonable supply of these mowers but realize that because of allocations we will be very fortunate if we get full delivery. The prices quoted are as of today and are subject to change at any time.

Toro Sportlawn



At a price within the reach of so many. An outstanding performer, the Sportlawn has plenty of reserve power to cut long, tough grass on steep slopes, has finger tip controls, sturdy chain drive, simple friction clutch, cushioned rubber tires and sectional roller.

4 cycle Briggs & Stratton engine, 6 inch diameter, 5 blade reel. Easily adjusted cutting height. Self-adjusted ball bearings, and heat treated blades and bed knife.

Sportlawn 18 inch cutting width \$123.95.

Sportlawn 21 inch cutting width \$138.95.

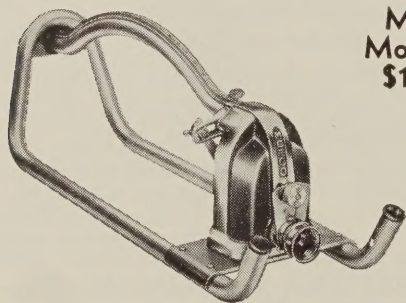
Sportlawn 21 inch with recoil starter \$143.95.

The above mowers are self-propelled

Pennsylvania Power Mowers

An old well established name in Lawn Mowers, Pennsylvania Mowers are made for satisfactory service over many years. They are heavy duty cutting units powered by the renowned Briggs and Stratton motors. They are simple to operate, starting easily with a smooth flow of power.

Model T 21 inch \$139.50. (Subject to change).



Metco
Model M
\$12.95

Metco Wave Sprinkler

A curtain of rain sweeps back and forth, watering an extra large rectangular plot. This method means that water does not fall too fast on any spot. Water does not run off, it sinks in to develop deep, healthy grass roots.

Model M. Sprinkles an area 40x50 ft. Made with heavy gage aluminum frame. \$12.95.

Model J. Same operating width as Model M with rust proof steel frame. Sprinkles an area 36x45 ft. You do not need high pressure to operate Metco efficiently. \$10.95.

Toro Whirlwind Rotary Mowers

Whirlwind is the original rotary mower and its cutting action has never been equalled. They cut the lawn velvety smooth, efficient even on tall grass and weeds. Practically all tedious hand trimming is eliminated since Whirlwinds operate close up to trees and fences, walks, flower beds, etc.

They are powered by quick starting engines. Height of cut adjustable from $\frac{3}{4}$ in. to 3 in. It is easy to adjust the leaf mulcher attachments which add greatly to the value of Toro Whirlwinds.

The 18 in. Whirlwinds are exceptionally easy to handle because of the light weight, 38 lbs. for the 2 cycle, 50 lbs. for the 4 cycle.

18 in. cutting width	2 cycle	Whirlwind	\$ 88.95
18 in. cutting width	4 cycle	Whirlwind	98.95
20 in. cutting width	4 cycle	Whirlwind	148.95
21 in. cutting width	4 cycle	Whirlwind	
self-propelled $2\frac{1}{2}$ h.p. engine			198.95

Leaf Mulchers for Whirlwinds

Inexpensive attachments that can be readily fitted on to eliminate raking leaves in the fall. Their actions pulverizes the leaves to make valuable humus mulching material for the lawn.

Prices for 1953 Models

18 in. Whirlwind Mulcher \$ 4.95

20 in. Whirlwind Mulcher 14.95

21 in. Whirlwind Mulcher 16.95

Leaf Mulcher attachments are available for all Whirlwind Mowers produced from 1946 to the present.

Rain King Sprinklers

Model K. You may set it to sprinkle any size circle from 5 to 50 ft. with just a turn of the dial. Provides natural rain-like shower which is best for the lawn. Model K \$8.50.

Model H. A beautiful and efficient sprinkler with adjustable nozzles, revolving or stationary operation. Made of long-lasting chrome plate. Model H \$7.65.

Model D. With two nozzles and adjustable for distance, direction, spray and volume. Revolving or stationary. Model D \$5.95.

Rain King Nozzles. Quickly set for bullet-like stream or misty spray. Solid brass, chrome plated. \$1.50.



Model K

Koroseal Plastic Hose

Weights about half as much as ordinary rubber hose yet delivers just as much water. It is kink proof, will not crack and is unharmed by sun, frost, oil or grease. A beautifully smooth hose made by Goodrich. $\frac{3}{8}$ inch diameter size. Comes in bright red or rich green.

25 ft. length with couplings \$5.75

50 ft. length with couplings 9.80



LEATHERMAN'S SEEDS

MAKE A FINE LAWN—the most important part of your landscaping plan
Seeds and materials for lawn making are offered on pages 2, 3, and 4



You will agree with the young lady pictured, "These are flowers at their best."
This scene is from one of the fields where our Flower Seeds are grown.

SEEDS • BULBS

Letherman's

GARDEN SUPPLIES

Retail Store and Office, 438 Cleveland Ave., N. W., Phone 4-4351
Wholesale and Farm Warehouse, 5th St. and McKinley Ave., N.W., Phone 4-2708
CANTON 2, OHIO